



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 1                        | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 2                        | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 3                        | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 4                        | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 5                        | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 6                        | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 7                        | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 8                        | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 9                        | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 10                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| 11                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 12                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 13                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 14                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 15                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 16                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 17                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 18                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 19                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 20                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 21                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 22                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 23                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 24                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 25                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 26                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 27                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 29                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 30                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 31                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 32                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 33                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 34                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 35                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 36                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 37                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 38                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 39                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 40                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 41                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 42                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 43                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 44                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 45                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 46                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 47                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 48                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 49                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 50                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 51                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 52                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 53                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 54                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 55                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 56                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 57                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 58                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 59                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 60                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 61                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 62                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 63                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 64                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 65                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 66                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 67                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 68                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 69                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 70                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 71                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 72                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 73                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 74                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 75                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 76                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 77                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 78                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 79                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 80                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 81                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 82                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 83                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 84                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 85                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 86                       | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 87                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 88                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 89                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 90                       | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 91                       | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 92                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 93                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 94                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 95                       | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 96                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 97                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 98                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 99                       | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 100                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 101                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 102                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 103                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 104                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 105                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 106                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 107                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 108                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 109                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 110                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 111                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 112                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 113                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 114                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 115                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 116                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 117                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 118                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 119                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 120                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 121                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 122                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 123                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 124                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 125                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 126                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 127                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 128                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 129                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 130                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 131                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 132                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 133                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 134                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 135                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 136                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 137                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 138                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 139                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 140                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 141                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 142                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 143                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 144                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 145                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 146                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 147                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 148                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 149                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 150                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 151                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 152                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 153                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 154                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 155                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 156                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 157                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 158                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 159                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 160                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 161                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 162                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 163                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 164                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 165                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 166                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 167                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 168                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 169                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 170                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 171                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 172                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 173                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 174                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 175                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 176                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 177                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 178                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 179                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 180                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 181                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |





# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 182                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 183                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 184                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 185                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 186                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 187                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 188                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 189                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 190                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 191                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 192                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 193                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 194                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 195                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 196                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 197                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 198                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 199                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 200                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 201                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 202                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 203                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 204                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 205                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 206                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 207                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 208                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 209                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 210                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 211                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 212                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 213                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 214                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 215                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 216                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 217                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 218                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 219                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 220                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 221                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 222                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 223                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 224                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 225                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 226                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 227                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 228                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 229                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 230                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 231                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 232                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 233                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 234                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 235                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 236                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 237                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 238                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 239                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 240                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 241                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 242                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 243                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 244                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 245                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 246                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 247                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 248                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 249                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 250                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 251                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 252                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 253                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 254                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 255                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 256                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 257                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 258                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 259                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 260                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 261                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 262                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 263                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 264                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 265                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 266                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 267                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 268                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 269                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 270                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 271                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 272                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 273                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 274                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 275                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 276                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 277                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 278                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 279                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 280                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 281                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 282                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 283                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 284                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 285                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 286                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 287                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 288                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 289                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 290                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 291                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 292                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 293                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 294                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 295                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 296                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 297                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 298                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 299                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 300                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 301                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 302                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 303                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 304                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 305                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 306                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 307                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 308                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 309                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 310                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 311                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 312                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 313                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 314                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 315                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 316                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 317                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 318                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 319                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 320                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 321                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 322                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 323                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 324                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 325                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 326                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 327                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 328                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 329                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 330                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 331                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 332                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 333                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 334                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 335                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 336                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 337                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 338                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 339                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 340                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 341                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 342                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 343                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 344                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 345                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 346                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 347                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 348                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 349                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 350                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 351                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 352                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 353                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 354                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 355                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 356                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 357                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 358                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 359                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 360                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 361                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |





**PHARMA DEVILS**  
QUALITY ASSURANCE DEPARTMENT

**CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM**

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 362                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 363                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 364                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 365                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 366                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 367                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 368                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 369                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 370                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 371                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 372                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 373                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 374                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 375                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 376                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 377                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 378                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 379                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 380                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 381                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 382                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 383                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 384                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 385                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 386                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 387                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 388                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 389                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 390                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 391                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 392                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 393                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 394                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 395                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 396                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 397                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 398                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 399                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 400                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 401                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 402                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 403                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 404                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 405                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 406                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 407                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 408                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 409                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 410                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 411                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 412                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 413                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 414                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 415                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 416                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 417                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 418                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 419                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 420                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 421                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 422                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 423                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 424                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 425                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 426                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 427                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 428                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 429                      | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 430                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 431                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 432                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 433                      | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 434                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 435                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 436                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 437                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 438                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 439                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 440                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 441                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 442                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 443                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 444                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 445                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 446                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 447                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 448                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 449                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 450                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                    | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                          |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 451                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 452                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 453                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 454                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 455                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 456                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 457                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 458                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 459                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 460                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 461                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 462                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Air Handling Unit</b> |  |  |             |            |                              |   |               |                                |   |
| 463                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 464                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 465                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 466                      | Glass Thermometer                        |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 467                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 468                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 469                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 470                      | Pressure Gauge                           |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 471                      | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |

**Air Handling Unit**



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                 | Name of Instrument/<br>Measuring Devices | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|-----------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                       |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 472                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 473                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 474                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 475                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 476                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 477                   | Glass Thermometer                        |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 478                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 479                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 480                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 481                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 482                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 483                   | Pressure Gauge                           |  | 5           | 4          | 2                            | 3   | 2             | 240                            | Moderate                                  |
| 484                   | Magnehelic Gauge                         |  | 5           | 4          | 2                            | 2   | 2             | 160                            | Non Critical                              |
| <b>Dust Collector</b> |  |  |             |            |                              |   |               |                                |   |
| 485                   | Magnehelic Gauge                         |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 486                   | Pressure Gauge                           |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dust Collector</b> |  |  |             |            |                              |   |               |                                |   |
| 487                   | Magnehelic Gauge                         |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 488                   | Pressure Gauge                           |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dust Collector</b> |  |  |             |            |                              |   |               |                                |   |
| 489                   | Magnehelic Gauge                         |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 490                   | Pressure Gauge                           |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dust Collector</b> |  |  |             |            |                              |   |               |                                |   |
| 491                   | Magnehelic Gauge                         |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 492                   | Pressure Gauge                           |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                 | Name of Instrument/<br>Measuring Devices        | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|-----------------------|---|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                       |   |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Dust Collector</b> |   |  |             |            |                              |   |               |                                |   |
| 493                   | Magnehelic Gauge                                |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 494                   | Pressure Gauge                                  |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dust Collector</b> |   |  |             |            |                              |   |               |                                |   |
| 495                   | Magnehelic Gauge                                |  | 5           | 4          | 1                            | 2   | 2             | 80                             | Non Critical                              |
| 496                   | Pressure Gauge                                  |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dehumidifier</b>   |   |  |             |            |                              |   |               |                                |   |
| 497                   | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 498                   | Pressure Transmitter                            |  | 4           | 3          | 2                            | 3   | 3             | 216                            | Moderate                                  |
| 499                   | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 500                   | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 501                   | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 502                   | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 503                   | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 504                   | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b>   |   |  |             |            |                              |   |               |                                |   |
| 505                   | Differential Pressure<br>Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 506                   | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 507                   | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 508                   | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 509                   | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.               | Name of Instrument/<br>Measuring Devices        | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|---|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |   |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 510                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 511                 | Digital Humidity<br>Controller                  |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 512                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 513                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 514                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 515                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 516                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 517                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 518                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 519                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 520                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 521                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 522                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 523                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 524                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |





# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.               | Name of Instrument/<br>Measuring Devices        | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|---|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |   |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 525                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 526                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 527                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 528                 | Differential Pressure<br>Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 529                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 530                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 531                 | Digital Humidity<br>Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 532                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 533                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 534                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 535                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 536                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 537                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 538                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 539                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 540                 | Differential Pressure<br>Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.               | Name of Instrument/<br>Measuring Devices     | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 541                 | Differential Pressure Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 542                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 543                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 544                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 545                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 546                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 547                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 548                 | Differential Pressure Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 549                 | Differential Pressure Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 550                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 551                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 552                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 553                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 554                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 555                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 556                 | Differential Pressure Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |



**PHARMA DEVILS**  
QUALITY ASSURANCE DEPARTMENT

**CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM**

| S.No.               | Name of Instrument/<br>Measuring Devices     | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 557                 | Differential Pressure Transmitter            |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 558                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 559                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 560                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 561                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 562                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 563                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 564                 | Differential Pressure Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 565                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 566                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 567                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 568                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 569                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 570                 | Digital Humidity Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 571                 | Differential Pressure Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 572                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 573                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.               | Name of Instrument/<br>Measuring Devices        | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|---|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |   |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 574                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 575                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 576                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 577                 | Digital Humidity<br>Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 578                 | Differential Pressure<br>Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 579                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 580                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 581                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 582                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 583                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 584                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 585                 | Digital Humidity<br>Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |   |  |             |            |                              |   |               |                                |   |
| 586                 | Differential Pressure<br>Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 587                 | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 588                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 589                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 590                 | Thermostat                                      |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 591                 | RH Sensor                                       |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 592                 | Digital Humidity<br>Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.               | Name of Instrument/<br>Measuring Devices     | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|---------------------|--|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                     |  |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 593                 | Differential Pressure Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 594                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 595                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 596                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 597                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 598                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 599                 | Digital Humidity Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Dehumidifier</b> |  |  |             |            |                              |   |               |                                |   |
| 600                 | Differential Pressure Switch                 |  | 4           | 3          | 1                            | 3   | 3             | 108                            | Non Critical                              |
| 601                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 602                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 603                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 604                 | Thermostat                                   |  | 4           | 2          | 2                            | 3   | 3             | 144                            | Non Critical                              |
| 605                 | RH Sensor                                    |  | 4           | 4          | 2                            | 3   | 2             | 192                            | Moderate                                  |
| 606                 | Digital Humidity Controller                  |  | 4           | 3          | 3                            | 2   | 2             | 144                            | Non Critical                              |
| <b>Water Cooler</b> |  |  |             |            |                              |   |               |                                |   |
| 607                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b> |  |  |             |            |                              |   |               |                                |   |
| 608                 | Temperature Indicator Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b> |  |  |             |            |                              |   |               |                                |   |



# PHARMA DEVILS

QUALITY ASSURANCE DEPARTMENT

## CRITICALITY EVALUATION OF INSTRUMENT AND MEASURING DEVICE OF HVAC SYSTEM

| S.No.                          | Name of Instrument/<br>Measuring Devices        | Instrument/<br>Measuring Devices<br>ID | Utilization | Automation | Impact on<br>product/Quality | Availability of<br>control measures<br>for any<br>discrepancy | Detectability | Factor<br>A x B x C x<br>D x E | Non<br>Critical<br>/Moderate/<br>Critical |
|--------------------------------|---|--|-------------|------------|------------------------------|---|---------------|--------------------------------|---|
|                                |   |  | (A)         | (B)        | (C)                          | (D)   | (E)           | A x B x C x<br>D x E           |   |
| 609                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b>            |   |  |             |            |                              |   |               |                                |   |
| 610                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b>            |   |  |             |            |                              |   |               |                                |   |
| 611                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b>            |   |  |             |            |                              |   |               |                                |   |
| 612                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Water Cooler</b>            |   |  |             |            |                              |   |               |                                |   |
| 613                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| 614                            | Temperature Indicator<br>Controller with Sensor |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| <b>Filter Cleaning Station</b> |   |  |             |            |                              |   |               |                                |   |
| 615                            | Digital Temperature<br>Controller               |  | 4           | 2          | 1                            | 3   | 3             | 72                             | Non Critical                              |
| 616                            | Temperature Sensor                              |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| 617                            | Pressure Gauge                                  |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |
| 618                            | Pressure Gauge                                  |  | 4           | 4          | 1                            | 3   | 3             | 144                            | Non Critical                              |

**Prepared By:**

(Signature/Date): \_\_\_\_\_

**Checked By:**

(Signature/Date): \_\_\_\_\_