


| STANDARD OPERATING PROCEDURE |  |  |  |
| :--- | :--- | :---: | :---: |
| Department: Quality Control | SOP No.: |  |  |
| Title: Procedure for the Rounding Off the Analytical test results | Effective Date: |  |  |
| Supersedes: Nil | Review Date: |  |  |
| Issue Date: | Page No.: |  |  |

### 5.5 ROUNDING OFF FOR THE RESULTS OF ASSAY/ UNIFORMITY OF <br> CONTENT:

5.5.1 Rounding off the reporting results for assay/ uniformity of content shall be two digits after the decimal point and it shall be irrespective of the limit.

Example : observed value is $99.06585 \%$
Reporting value is $99.07 \%$
5.5.2 The results obtained from these, like \% RSD and individual values shall report 2 digits after the decimal point and it shall be the irrespective of the limit.
5.6 ROUNDING OFF FOR THE RESULTS OF LIMIT TEST:
5.6.1 Rounding off the reporting results for limit tests shall be follow general procedure and examples has given in the Annexure-1.
6.0 SAFETY \& PRECAUTIONS:

Not Applicable
7.0 REVISION HISTORY:

| Revision No. | Reason for Revision | Superseded from \& Date |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

8.0 DISTRIBUTION:

| Copy <br> No. | Issuance Record |  |  |  | Withdrawal <br> Record |  | Destruction <br> Record |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Date | Dept. <br> issued | Name / <br> Signature of receiver | Issued By <br> Name / Signature | By | Sign/ <br> Date | By | Sign/ <br> Date |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

### 9.0 REFERENCES:

US Pharmacopoeia


Annexure -I: Examples For Rounding Off the reporting Results

| PHARMA DEVILS <br> QUALITY CONTROL DEPARTMENT |  |
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## ANNEXURE - I

EXAMPLES FOR LIMIT TESTS

| S.No. | COMPENDIAL REQUIREMENTS | UNROUNDED <br> VALUES | ROUNDED RESULTS | CONFIRMS <br> WITH THE <br> REQUIREMENT |
| :---: | :---: | :---: | :---: | :---: |
| 1. | LIMIT TEST $\leq 0.02 \%$ | 0.025\% | 0.03\% | NO |
|  |  | 0.015\% | 0.02\% | YES |
|  |  | 0.027\% | 0.03\% | NO |
| 2. | LIMIT TEST $\leq 3 \mathrm{ppm}$ | 0.0035\% | 0.0004\% | NO |
|  |  | 0.00025\% | 0.0003\% | YES |
|  |  | 0.00028\% | 0.0003\% | YES |

EXAMPLES FOR IMPURITY TESTS

| S.NO. | COMPENDIAL <br> REQUIREMENTS | UNROUNDED <br> VALUES | ROUNDED <br> RESULTS | CONFIRMS <br> WITH THE <br> REQUIREMENT |
| :---: | :--- | :--- | :--- | :--- |
|  | NMT $0.5 \%$ | 0.4258 | $0.426 \%$ | YES |
|  |  | 0.00985 | $0.010 \%$ | YES |
|  |  | 0.50090 | $0.501 \%$ | NO |

EXAMPLES FOR ASSAY/ UNIFORMITY OF CONTENTS

| S.NO. | COMPENDIAL <br> REQUIREMENTS | UNROUNDED <br> VALUES | ROUNDED <br> RESULTS | CONFIRMS <br> WITH THE <br> REQUIREMENT |
| :--- | :--- | :--- | :--- | :--- |
| $\mathbf{\underline { 1 }}$ | NLT 99.0 \% and <br> NMT $101.0 \%$ | 99.2598 | $99.26 \%$ | YES |
|  |  | 100.9948 | $100.99 \%$ | YES |
|  | 98.6895 | $98.70 \%$ | NO |  |


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EXAMPLES FOR ASSAY IF LIMIT IS MORE THAN TWO DIGITS AFTER DECIMAL POINT (FOR LOWER CONCENTRATIONS):

| S.NO. | COMPENDIAL <br> REQUIREMENTS | UNROUNDED <br> VALUES | ROUNDED <br> RESULTS | CONFIRMS <br> WITH THE <br> REQUIREMENT |
| :--- | :--- | :--- | :--- | :--- |
|  | NLT 0.25 to <br> NMT 0.50 | 0.258952 | 0.259 | YES |
|  |  | 0.245851 | 0.246 | NO |
|  | $\mathbf{2}$ | NLT 0.175 to <br> NMT 0.225 | 0.500852 | 0.501 |
|  |  | 0.174891 | 0.1760 | NO |

