



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 1 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

| | |
|----------------------------------|---|
| Location: | |
| Block: Production Tablets | |
| Label Claim: | Each uncoated tablet contains: Atenolol IP..... 50 mg Excipients..... q.s. Colour: Sunset Yellow FCF |
| Mfg. Lic. No.: | |
| Product Lic. No.: | NA |
| Self-Life: | 30 Months |
| MFR No.: | |
| Mfg. Date: | |
| Exp. Date: | |
| BMR Issued No.: | |
| Party: | |

Issued By Stamp & Sign.

| Responsibility | Name | Designation | Sign | Date |
|--------------------|------|-------------|------|------|
| Prepared By | | | | |
| Checked By | | | | |
| Approved By | | | | |



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1.0 MASTER FORMULA:

BILL OF RAW MATERIALS

| Sr. No. | Ingredients | Spec. | Qty. In mg Per Tablet | Overages % | Qty. for 1 Lac. In Kg |
|------------------------------------|--|-------|-----------------------|------------|-----------------------|
| Raw Material for Dry Mixing | | | | | |
| 1. | Atenolol | IP | 50.00 | ---- | 5.00# |
| 2. | Microcrystalline Cellulose PH112 (Avicel PH 112) | IP | 119.50 | ---- | 11.95 |
| 3. | Sodium Lauryl Sulphate (SLS) | IP | 5.00 | ----- | 0.50 |
| 4. | Colour Sunset Yellow FCF | IH | 0.10 | ----- | 0.01 |
| 5. | Magnesium Stearate | IP | 2.00 | ---- | 0.20 |
| 6. | Purified Talcum | IP | 1.00 | ---- | 0.10 |
| 7. | Colloidal Silicon Dioxide (Aerosil) | IP | 2.50 | ---- | 0.25 |
| 8. | Sodium Starch Glycollate (Primogel) | IP | 7.00 | ----- | 0.70 |
| Weight of Uncoated Tablets | | | 187.10 mg | | 18.71 Kg |

Note: # Atenolol adds after calculation if assay below 99%

| | Prepared By | Checked By | Approved By |
|------------------|--------------------|-------------------|--------------------|
| Signature | | | |
| Date | | | |



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CALCULATION SHEET

1- Atenolol IP is to be taken as per the formula given below:

Note: If assay of API is above 99.0% calculation not required.

Part-A: To be calculated when single AR No.: _____

Assay on dried basis: _____ **LOD:** _____

PART-A: To be calculated when single A.R. No. of **Atenolol IP** is to be used:

If calculated quantity is less than std. qty. then dispense std. Qty.

Assay on as such basis = $\frac{(100-\text{LOD}) \times \text{Assay on dried basis}}{100}$ = _____ %

| | | |
|--------------------------------|-----------------------------|---|
| A.R. No. of Atenolol IP | Assay on as such basis (A1) | Actual quantity of this A.R.No. to be dispensed = |
| | -----% | $\frac{\# \times 100}{A1}$ = -----Kg |

PART-B: To be calculated when more than one A.R. No's of **Atenolol IP** is to be used:

| A.R. No. of Atenolol IP | Assay on as such basis (a1) | Actual quantity Available (b1) (Kg) | Qty. on 100 % assay basis = $\frac{(b1) \times (a1)}{100}$ = _____ Kg | Remaining qty. to be dispensed (e1) = Std. qty. -(c1) |
|--------------------------------|-----------------------------|-------------------------------------|---|---|
| | | | | (e1) = _____ # - _____ = _____ Kg |
| | | | | |
| | | | | |
| | | | | |
| TOTAL (Kg) --- | | | (c1)=_____ | |

Assay of next AR No. ----- (Assay on as such basis) (f1) = _____ %

Actual quantity of this AR No. to be dispensed (g1) = $\frac{(e1) \times 100}{(f1)}$ = _____ =-----Kg

Therefore total quantity of **Atenolol IP** to be dispensed = (b1) + (g1) = _____ Kg

Assay calculation:

| | | | |
|-------------------|----------------------------|--------------------------|--------------------|
| Sign/Date | | | |
| Department | Done by(Production) | Checked by (Q.A.) | |
| | | | |
| | | | |
| Signature | Prepared By | Checked By | Approved By |
| | | | |
| Date | | | |



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2.0 GENERAL INSTRUCTIONS:

- Current version of SOPs should be referred during operation.
- Dispensed raw material/bulk blend/ compressed tablets should be manufactured and stored at temperature not exceeding 27°C and RH NMT 55%
- In all the processing activities, nose mask, hand gloves, secondary gown etc. shall be wearied by the personnel.
- Attach all dispensing tags and cleaning status labels with BMR.
- Clean the equipment's after use as per the standard operating procedure.
- The Blend should be compressed within 15 days.
- The compressed tablets should be packed within 30days.

2.1 Line clearance of Dispensing:

Check the instructions given below and note the observation as Yes, NO or NA.

| Sr. No. | Instructions | Yes/No/NA |
|---------|--|-----------|
| 1. | Is dispensing area clean and free from any materials of previous batches? | |
| 2. | Whether balance is calibrated and have status label. | |
| 3. | Scoops to be used for dispensing are clean. | |
| 4. | LAF properly working and dispensing booth clean. | |
| 5. | Air differential pressure, temperature and humidity with in limit (if applicable) Temp. ----- °C(NMT 27°C), RH-----% (NMT 55.0%), DP.....(6 to 10 Pascal) | |
| 6. | Material shall be least exposed to atmosphere. | |
| 7. | Ensure proper gowning before entering to the dispensing area, suitable nose mask and surgical gloves shall be used while handling the material. | |

| | | | |
|--|--|--|--|
| Previous product name: | | Batch No.: | |
| Differential pressure across RLAF and Room: (Limit(Between 5 to 15 Pascal)) | | | |
| Checked By (Production): Sign & Date: | | Verified By(IPQA): Sign & Date: | |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |



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BILL OF RAW MATERIALS

(PRODUCTION COPY)

| Sr. No. | Ingredients | Std. Qty. for 1 Lac. In Kg | @ Req. Qty. In Kg | Issued Qty. in Kg | A.R. No. | Weight in Kg | | | Wt. By Store | Chkd. By | |
|-----------------------|--|----------------------------|-------------------|-------------------|----------|------------------------------|------|-----|--------------|----------|----|
| | | | | | | Gross | Tare | Net | | Prod. | QA |
| | | | | | | Raw Material for Dry Mixing- | | | | | |
| Active Ingredients- | | | | | | | | | | | |
| 1. | Atenolol IP | 5.00# | | | | | | | | | |
| Inactive Ingredients- | | | | | | | | | | | |
| 2. | Microcrystalline Cellulose PH112 (Avicel PH112) IP | 11.95 | | | | | | | | | |
| 3. | Sodium Lauryl Sulphate (SLS) IP | 0.50 | | | | | | | | | |
| 4. | Colour Sunset Yellow FCF | 0.01 | | | | | | | | | |
| 5. | Magnesium Stearate IP | 0.20 | | | | | | | | | |
| 6. | Purified Talcum IP | 0.10 | | | | | | | | | |
| 7. | Colloidal Silicon Dioxide (Aerosil) IP | 0.25 | | | | | | | | | |
| 8. | Sodium Starch Glycollate (Primogel) IP | 0.70 | | | | | | | | | |

Note: # Atenolol adds after calculation if assay below 99%.

@ Calculate the materials as per required batch size.

Dispensed by
Stores
Date

Checked by
Production
Date

Verified by
QA
Date

Page No. 6 of 19 store copy

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |



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BILL OF RAW MATERIALS

(STORE COPY)

| Sr. No. | Ingredients | Std. Qty. for 1 Lac. In Kg | @Req. Qty. In Kg | Issued Qty. in Kg | A.R. No. | Weight in Kg | | | Wt. By Store | Chkd. By | |
|------------------------------|--|----------------------------|------------------|-------------------|----------|--------------|------|-----|--------------|----------|----|
| | | | | | | Gross | Tare | Net | | Prod. | QA |
| Raw Material for Dry Mixing- | | | | | | | | | | | |
| Active Ingredients- | | | | | | | | | | | |
| 1. | Atenolol IP | 5.00# | | | | | | | | | |
| Inactive Ingredients- | | | | | | | | | | | |
| 2. | Microcrystalline Cellulose PH112 (Avicel PH112) IP | 11.95 | | | | | | | | | |
| 3. | Sodium Lauryl Sulphate (SLS) IP | 0.50 | | | | | | | | | |
| 4. | Colour Sunset Yellow FCF | 0.01 | | | | | | | | | |
| 5. | Magnesium Stearate IP | 0.20 | | | | | | | | | |
| 6. | Purified Talcum IP | 0.10 | | | | | | | | | |
| 7. | Colloidal Silicon Dioxide (Aerosil) IP | 0.25 | | | | | | | | | |
| 8. | Sodium Starch Glycollate (Primogel) IP | 0.70 | | | | | | | | | |

Note: # Atenolol adds after calculation if assay below 99%.

@ Calculate the materials as per required batch size.

Dispensed by
Stores
Date

Checked by
Production
Date

Verified by
QA
Date

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
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2.2 Weight Verification sheet:

Balance ID.: _____

| Sr. No. | Ingredients | Spec. | UOM | Std. Quantity (Kg) | A.R. No. | Issued Qty. | Checked By (Production) | Verified by (IPQA) |
|---------------------------|--|-------|-----|--------------------|----------|-------------|-------------------------|--------------------|
| | | | | | | Gr. wt. | | |
| MATERIAL FOR GRANULATION: | | | | | | | | |
| 1. | Atenolol | IP | | | | | | |
| 2. | Microcrystalline Cellulose PH 112 (Avicel PH112) | IP | | | | | | |
| 3. | Sodium Lauryl Sulphate | IP | | | | | | |
| 4. | Colour Sunset Yellow FCF | IH | | | | | | |
| 5. | Magnesium Stearate | IP | | | | | | |
| 6. | Purified Talcum | IP | | | | | | |
| 7. | Colloidal Silicon Dioxide (Aerosil) | IP | | | | | | |
| 8. | Sodium Starch Glycollate | IP | | | | | | |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
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3.0 GRANULATION PROCESS:

Date: _____

Granulation started at: _____

3.1 Line clearance of Granulation:

Previous product: _____,

Batch No.: _____

Cleaning done by: _____,

Cleaned On: _____,

| Sr. No. | Instructions | Yes/No/NA | Checked By (Production) | Verified By (IPQA) |
|---------|---|-----------|-------------------------|--------------------|
| 1 | Ensure that all equipment and utensils are clean and dry and status board affixes (Record as per Table-1). | | | |
| 2 | Is area free from any materials of previous batch? | | | |
| 3 | Whether the container, sieve, scoops and auxiliary items are cleaned. | | | |
| 4 | Check the room temperature. Temp.....°C (NMT 27°C) and Differential pressure Pascal (6 to 10 Pascal). | | | |
| 5 | AHU system under operation or not. | | | |
| 6 | Calibration status of Equipment/instrument complies or not. | | | |
| 7 | Balance calibration status is OK or not. | | | |
| 8 | Whether swab/rinse sample testing report complies or not? (if applicable) | | | |
| 9 | Whether the wall, floor and light in satisfactory condition? | | | |

EQUIPMENT STATUS CHECKLIST

| Sr. No. | Name of Equipment | Equipment ID. No. | Observation (Should be clean and dried) | Checked (Production) | Verified By (IPQA) |
|---------|-------------------|-------------------|---|----------------------|--------------------|
| 1. | Sifter | | Yes/No | | |
| 2. | Mass Mixture | | Yes/No | | |
| 3. | Tray Drier | | Yes/No | | |
| 4. | Blender | | Yes/No | | |
| 5. | Balance | | Yes/No | | |
| 6. | S.S Scoop | | Yes/No | | |

| | | | |
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3.2 Sifting: Sift separately the following material and collect in poly bags/containers. Check sieve integrity before and after use.

SIFTING OF GRANULATION MATERIALS

| Ingredient | Qty. In Kg | Sieve Size (#) | Sieve Integrity | | From | To | Done By/ Date | Ckd. By/ Date |
|--|------------|----------------|-----------------|-----------|------|----|---------------|---------------|
| | | | Before Use | After use | | | | |
| Atenolol IP | | | | | | | | |
| Microcrystalline Cellulose PH112 (Avicel PH112) IP | | | | | | | | |
| Sodium Lauryl Sulphate IP | | | | | | | | |
| Colour Sunset Yellow FCF IH | | | | | | | | |
| Magnesium Stearate IP | | | | | | | | |
| Purified Talcum IP | | | | | | | | |
| Colloidal Silicon Dioxide (Aerosil) IP | | | | | | | | |
| Sodium Starch Glycollate IP | | | | | | | | |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
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3.3 MANUFACTURING PROCESS:

| Step No. | Manufacturing Instruction | Eq. ID. No. | From | To | Done By/ Date | Ckd. By/ Date |
|----------|--|-------------|------|----|---------------|---------------|
| 3.3.1 | Lubrication: | | | | | |
| | Add Atenolol (____#Kg), Microcrystalline Cellulose PH 112 (____Kg), Sodium Lauryl Sulphate (____Kg), Colour Sunset Yellow FCF (____Kg), Purified Talcum (____Kg), Colloidal Silicon Dioxide (Aerosil) (____Kg) and Sodium Starch Glycollate (____Kg) in blender and mix it for 20 minutes. | | | | | |
| | Add Magnesium Stearate (____Kg) in blender and mix for further for 5 minutes. | | | | | |

3.4 GRANULE WEIGHING RECORD:

| Container No. | Gross wt. (Kg) | Tare wt. (Kg) | Net wt. (Kg) | Done By/ Date | Ckd. By/ Date |
|---------------|----------------|---------------|--------------|---------------|---------------|
| 1/ | | | | | |
| 2/ | | | | | |
| 3/ | | | | | |
| 4/ | | | | | |
| 5/ | | | | | |
| 6/ | | | | | |
| 7/ | | | | | |
| 8/ | | | | | |
| 9/ | | | | | |
| 10/ | | | | | |
| Total | | | | | |

| | | | |
|------------------|--------------------|-------------------|--------------------|
| | Prepared By | Checked By | Approved By |
| Signature | | | |
| Date | | | |



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3.5 SAMPLING OF BLEND:

- After completion of the manufacturing activity batch card shall be checked by production executive and inform IPQA through analytical request after completion of granulation process.

Checked By (Production)

- IPQA shall review batch card and visually inspect of the material for physical Appearance, labeling status, number of container etc. and will collect the sample as per SOP, and shall submit to QC for analysis.

Verified By (IPQA)

- After release from QC, IPQA shall paste the 'APPROVED' label on each container.

3.6 YIELD RECONCILIATION:

A = Theoretical batch size = Kg / tablets

B = Actual quantity of blend = Kg

C = Samples =

D = Yield = $B / A \times 100$

(Note: - Granulation yield NLT 99.00%)

Loss Quantity: _____

Checked by (Production):
Date:

Verified by (QA):
Date:

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |



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4.0 COMPRESSION:

Date: _____

Started at: _____

4.1 Line clearance:

Previous product: _____, Batch No.: _____

| Sr. No. | Instructions | Observations | Checked (Production) | Verified By (IPQA) |
|---------|--|--------------|----------------------|--------------------|
| 1 | Is area free from any materials of previous batch? | Yes/No | | |
| 2 | Whether area and utensils cleaned? | Yes/No | | |
| 3 | Whether the compression machine is cleaned and set as per SOP and have "CLEANED" label affixed? Equipment ID No.: _____ | Yes/No | | |
| 4 | Check the room temperature, RH and differential pressure =.....°C (NMT 27°C), RH=..... % (NMT 55%). Differential Pressure.....pascal (6 to 10 Pascal) | OK/NOT OK | | |
| 5 | All the equipment shall be used during process are cleaned. | Yes/No | | |

4.2 Process:

| Sr. No. | Compression Instruction | Observations | Checked (Production) | Verified By (IPQA) |
|---------|---|--------------|----------------------|--------------------|
| 1. | Collect the approved granules from the granules store for compression. | | | |
| 2. | Ensure the correct punch set is assembled in the compression machine. | | | |
| 3. | Ensure the availability and online filling of Batch Document. | | | |
| 4. | Collect the tablets as per total no. of punches from each side and check them individually for any damages on upper and Lower Surface before continuing the operation of compression machine. Check and Record the observation and details of die & punch in the table A: Die and punch verification | | | |
| 5. | If compression time is less than one hour , minimum Three observations shall be recorded. | | | |
| 6. | Ensure that all the data of actual processing are entered in log book of individual equipment/Instrument. | | | |
| 7. | Collect the compressed tablets in polythene lined container. Weight the containers and record the weights in table given below, label them properly and transfer them to bulk store (Container number should be given as 1/x, 2/x..... where x is the total number of containers | | | |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
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| Date | | | |



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Table: A-Die and punch verification

| Punch Specification | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------|---------------|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------------|----|----|----|
| Punch Details | Type | | | Prism: B Tooling 35 Stations. | | | | | | | | | | | | | | | | | | | | |
| | Upper Punches | | | Diameter : 8.0 mm (Round shape and with break line) | | | | | | | | | | | | | | | | | Dies : 8.1 mm | | | |
| | Lower Punches | | | Diameter : 8.0 mm (Round shape and Plain) | | | | | | | | | | | | | | | | | | | | |
| Upper Punches | Punch No. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| Lower Punches | Punch No. | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |

Checked by (Production): _____

Verified By (IPQA): _____

4.3 IN PROCESS CHECKS:

4.3.1 Specification:

| Sr. No. | Parameters | Requirement | Frequency of Monitoring |
|---------|----------------------|---|-------------------------|
| 1.0 | Description | Light orange colour round shape tablets with one side break line. | At the start of machine |
| 2.0 | Weight of 20 tablets | 3.74 gm \pm 3% | Every 30 Minutes |
| 3.0 | Avg. weight | 187.1 mg \pm 5% | Every 2 Hours |
| 4.0 | Uniformity of weight | 187.1 mg \pm 7.5% | Every 2 Hours |
| 5.0 | Thickness | 3.0 \pm 0.2 mm | Every 2 Hours |
| 6.0 | Hardness | NLT 2 Kg/cm ² | Every 2 Hours |
| 7.0 | Friability | NMT 1% | Every 2 Hours |
| 8.0 | DT | NMT 15 min | Every 2 Hours |
| 9.0 | Diameter | 8.0 mm \pm 0.2 mm | At the start of machine |
| 10.0 | Temperature | NMT 27°C | Every 2 Hours |
| 11.0 | RH | NMT 55% | Every 2 Hours |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |



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4.4 In-process observation sheet for production:

| | | | | | | | | | | | |
|---|-------------|--|--|--|--|--|--|--|--|--|--|
| Description: | | | | | | | | | | | |
| Diameter: | | | | | | | | | | | |
| Wt. of 20 Tabs. 3.74 gm \pm 3% | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Wt. of 20 Tabs. 3.74 gm \pm 3% | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Thickness 3.0 \pm 0.2mm | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Friability (NMT 1 %) | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Hardness (NLT 2 Kg/cm²) | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| DT NMT 15 min | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Appearance Light orange colour round shape tablets with one side break line. | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Temperature (NMT 27°C) | ---- | | | | | | | | | | |
| RH (NMT 55%) | ---- | | | | | | | | | | |
| Done By | | | | | | | | | | | |

Attached additional sheet if required...

| | | | |
|------------------|--------------------|-------------------|--------------------|
| | Prepared By | Checked By | Approved By |
| Signature | | | |
| Date | | | |



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 15 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

WEIGHT VARIATION OF 20 TABLETS

| | | | |
|----------------------------------|--|------------------|-----------------------|
| Average Weight of Tablet: | | Frequency | Every 2 hours. |
|----------------------------------|--|------------------|-----------------------|

| | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|
| Date: | | | | | | | | |
| Time: | | | | | | | | |
| 1. | | | | | | | | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | | | | | | | | |
| 9. | | | | | | | | |
| 10. | | | | | | | | |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| Avg. Wt. | | | | | | | | |
| Min wt. | | | | | | | | |
| Max wt. | | | | | | | | |
| Checked by | | | | | | | | |

Attached additional sheet if required.....

| | | | |
|------------------|--------------------|-------------------|--------------------|
| | Prepared By | Checked By | Approved By |
| Signature | | | |
| Date | | | |



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 16 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

4.5 In-process observation sheet for IPQA:

| | | | | | | | | | | | |
|---|-------------|--|--|--|--|--|--|--|--|--|--|
| Description: | | | | | | | | | | | |
| Diameter: | | | | | | | | | | | |
| Wt. of 20 Tabs. 3.74 gm \pm 3% | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Wt. of 20 Tabs. 3.74 gm \pm 3% | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Thickness 3.0 \pm 0.2mm | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Friability (NMT 1 %) | Date | | | | | | | | | | |
| | Time | | | | | | | | | | |
| | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Hardness (NLT 2 Kg/cm²) | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| DT NMT 15 min | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Appearance Light orange colour round shape tablets with one side break line. | LHS | | | | | | | | | | |
| | RHS | | | | | | | | | | |
| Temperature (NMT 27°C) | ---- | | | | | | | | | | |
| RH (NMT 55%) | ---- | | | | | | | | | | |
| Done By | | | | | | | | | | | |

Attached additional sheet if required.....

| | | | |
|------------------|--------------------|-------------------|--------------------|
| | Prepared By | Checked By | Approved By |
| Signature | | | |
| Date | | | |



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 17 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

WEIGHT VARIATION OF 20 TABLETS

| | | | |
|----------------------------------|--|------------------|-----------------------|
| Average Weight of Tablet: | | Frequency | Every 2 hours. |
|----------------------------------|--|------------------|-----------------------|

| | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|
| Date: | | | | | | | | |
| Time: | | | | | | | | |
| 1. | | | | | | | | |
| 2. | | | | | | | | |
| 3. | | | | | | | | |
| 4. | | | | | | | | |
| 5. | | | | | | | | |
| 6. | | | | | | | | |
| 7. | | | | | | | | |
| 8. | | | | | | | | |
| 9. | | | | | | | | |
| 10. | | | | | | | | |
| 11. | | | | | | | | |
| 12. | | | | | | | | |
| 13. | | | | | | | | |
| 14. | | | | | | | | |
| 15. | | | | | | | | |
| 16. | | | | | | | | |
| 17. | | | | | | | | |
| 18. | | | | | | | | |
| 19. | | | | | | | | |
| 20. | | | | | | | | |
| Avg. Wt. | | | | | | | | |
| Min wt. | | | | | | | | |
| Max wt. | | | | | | | | |
| Checked by | | | | | | | | |

Attached additional sheet if required.....

| | | | |
|------------------|--------------------|-------------------|--------------------|
| | Prepared By | Checked By | Approved By |
| Signature | | | |
| Date | | | |



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 18 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

4.6 TABLETS WEIGHING RECORD:

| Container No. | Gross wt. | Tare wt. | Net wt. | Container No. | Gross wt. | Tare wt. | Net wt. |
|-------------------------------------|-----------|----------|---------|---------------|-----------|----------|---------|
| 1/ | | | | 11/ | | | |
| 2/ | | | | 12/ | | | |
| 3/ | | | | 13/ | | | |
| 4/ | | | | 14/ | | | |
| 5/ | | | | 15/ | | | |
| 6/ | | | | 16/ | | | |
| 7/ | | | | 17/ | | | |
| 8/ | | | | 18/ | | | |
| 9/ | | | | 19/ | | | |
| 10/ | | | | 20/ | | | |
| Total net weight of Tablets: | | | | | | | |
| Checked By(Sign & Date): | | | | | | | |

4.7 SAMPLING :

- After completion of the manufacturing activity batch card shall be checked by production executive and inform IPQA through analytical request after completion of compression process.

Checked By (Production)

- IPQA shall review batch card and then visually inspect the bulk for physical appearance, labeling status, number of container etc. and will collect the sample as per SOP, and shall submit to QC for analysis.

Verified By (IPQA)

- After release from QC IPQA shall paste the 'APPROVED' label on each drum.

4.8 VISUAL INSPECTION OF TABLETS:

Machine No. _____

Date: _____

| Time Duration | | Quantity rejected | Done by |
|---------------|----|-------------------|---------|
| From | To | | |
| | | | |
| | | | |
| | | | |

Total weight of rejected tablets: _____ Good Tablet weight: _____

% Yield: _____

Checked by (Production): _____,
(Sign & Date)

Verified by (IPQA): _____
(Sign & Date)

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |



PHARMA DEVILS

PRODUCTION DEPARTMENT

BATCH MANUFACTURING RECORD

| | | | |
|----------------------|------------------------|--|--|
| Product Code: | | BMR No.: | |
| Product Name: | | Generic Name: Atenolol Tablets IP 50 mg | |
| Document No.: | Effective Date: | Page No.: 19 of 19 | |
| Batch No.: | Batch Size: | Supersedes No.: | |

4.9 YIELD RECONCILIATION:

| | | |
|---------------------------------|--|----------------------------|
| • | Average weight of tablets (A)= | mg |
| • | Total weight of compressed tablets (B) = | Kg. |
| • | Quantity of compressed tablet in Number (C)=-----X 1000 X1000 = A | |
| • | Samples (D)= | |
| • | Yield=----- x 100= Actual batch size | |
| Checked By (Production): | | Verified By (IPQA): |

Loss Qty.: _____ Kg.

5.0 FINAL REVIEW OF BATCH CARD ON SHOP FLOOR:

Production manager/Designee shall review the batch card will give his comment, if any.

Checked By (Prod. Mgr.)

6.0 ANY DEVIATION:

| Deviation No. | Reason for deviation |
|---------------|----------------------|
| | |

Checked By (Prod. Manager)

7.0 HISTORY SHEET:

| BMR No. | New BMR No. | Revision No. | Reason of revision |
|---------|-------------|--------------|--------------------|
| | | | |
| | | | |
| | | | |

| | Prepared By | Checked By | Approved By |
|-----------|-------------|------------|-------------|
| Signature | | | |
| Date | | | |