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|-----------------------------------------------------------------------------------|----------------------------|-----------------|----------------|--------|
|  | RAW MATERIAL SPECIFICATION |                 | Page No.       | 1 of 3 |
|                                                                                   | Quality Control Department |                 |                |        |
| Name of Raw Material                                                              | Sodium Lauryl Sulphate     |                 |                |        |
| Specification No.                                                                 | RM/SPEC/HM/044-01          | Supersedes No.: | RM/SPEC/044-01 |        |
| Reference                                                                         | IP/USP                     | Effective Date  | 23/04/2025     |        |
| Ref. Annexure No.                                                                 | A/SOP/QC/030/02            | Review Month    | Mar '2030      |        |

## GENERAL INFORMATION

Pharmacopeial reference : IP/USP

Special requirement of pack : Material should be packed in paper bag.

Approved vendor : Please refer current approved vendor list.

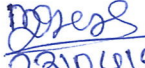
Handling hazards : Refer Material Safety Data Sheet

Quantity to be sampled :

|                 |                |
|-----------------|----------------|
| Analysis Sample | Control sample |
| 70 g            | 140 g          |

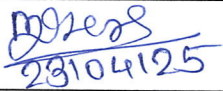
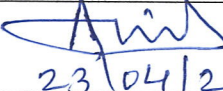
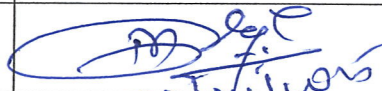
Retest Period : 12 Months

Storage : Store protected from moisture and preserve in well-closed containers.

|             | PREPARED BY                                                                                     | REVIEWED BY                                                                                     | APPROVED BY                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Name        | Manisha Dhore                                                                                   | Appa S. Shinde                                                                                  | Manish Mahajan                                                                                    |
| Sign/Date   | <br>23/04/25 | <br>23/04/25 | <br>23/04/25 |
| Designation | Sr. Executive                                                                                   | Asst. Manager                                                                                   | Manager                                                                                           |
| Department  | Quality Control                                                                                 | Quality Control                                                                                 | Quality Assurance                                                                                 |

|                                                                                   |                                   |  |          |        |
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|  | <b>RAW MATERIAL SPECIFICATION</b> |  | Page No. | 2 of 3 |
|                                                                                   | Quality Control Department        |  |          |        |
| Name of Raw Material                                                              | Sodium Lauryl Sulphate            |  |          |        |
| Specification No.                                                                 | RM/SPEC/HM/044-01                 |  |          |        |

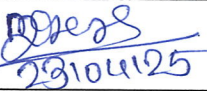
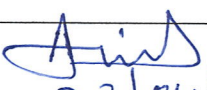
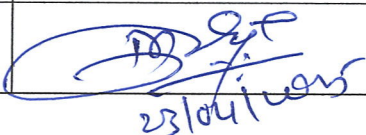
| Sr. No.                | TEST                                       | SPECIFICATIONS                                                                                                                  | REFERENCE |
|------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------|
| 01.                    | Description #                              | A white or pale yellow powder or crystal.                                                                                       | IP        |
|                        |                                            | Small, white or light yellow crystals having a slight, characteristic odor.                                                     | USP       |
| 02.                    | Solubility                                 | Freely soluble in water, forming an opalescent solution, partly soluble in ethanol (95%)                                        | IP        |
|                        |                                            | Freely soluble in water, forming an opalescent solution.                                                                        | USP       |
| 03.                    | Identification                             |                                                                                                                                 |           |
|                        | Test A : By IR                             | Compare the spectrum with that obtained with sodium lauryl sulphate RS or with the reference spectrum of sodium lauryl sulphate | USP       |
|                        | Test B                                     | Should be Produce plenty of foam.                                                                                               | IP        |
|                        | Test C                                     | The dichlorometane layer should be intently blue.                                                                               | IP        |
|                        | Test D                                     | A white crystalline precipitate should be formed.                                                                               | IP        |
|                        | Test E: Reaction of Sodium                 | i) A voluminous, white, crystalline precipitate should be formed.<br>ii) No precipitate should be formed.                       | IP/USP    |
|                        | Test F: Sulfate                            | A white precipitate should be produced.                                                                                         | USP       |
| 04.                    | Alkalinity#                                | NMT 0.5 ml of 0.1 M Hcl should be required to change the colour of the solution.                                                | IP        |
|                        |                                            | NMT 0.5 ml for neutralization                                                                                                   | USP       |
| 05.                    | Total alcohols                             | The residue represents the total alcohols and should be NLT 59.0 % of the weight of Sodium Lauryl sulfate                       | USP       |
| 06.                    | Non-esterified alcohol                     | NMT 4 %                                                                                                                         | IP        |
| 07.                    | Sodium chloride and sodium sulphate        | The combined content of sodium chloride and sodium sulfates should be NMT 8.0 %                                                 | IP/USP    |
| 08.                    | Unsulfated Alcohols                        | The weight of the residue should NMT 4.0 % of the weight of Sodium Lauryl Sulfate                                               | USP       |
| 09.                    | Assay # : Content of Sodium alkyl sulfates | NLT 85.0%                                                                                                                       | IP/USP    |
| #: Re-evaluation tests |                                            |                                                                                                                                 |           |

|           | PREPARED BY                                                                                     | REVIEWED BY                                                                                     | APPROVED BY                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Sign/Date | <br>23/04/25 | <br>23/04/25 | <br>23/04/25 |

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|  | RAW MATERIAL SPECIFICATION |  | Page No. | 3 of 3 |
|                                                                                   | Quality Control Department |  |          |        |
| Name of Raw Material                                                              | Sodium Lauryl Sulphate     |  |          |        |
| Specification No.                                                                 | RM/SPEC/HM/044-01          |  |          |        |

## REVISION HISTORY FOR SPECIFICATION:

| Revision No. | Revision Description                                                                                                                                                          | Effective Date |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 01           | 1) New Pharmacopoeial grade new document prepared as per Approved Change control No. CC/QC/23/002<br>2) SPEC and ATR prepared as per approved change control No. CC/QC/25/008 | 23/04/2025     |

|           | PREPARED BY                                                                                     | REVIEWED BY                                                                                     | APPROVED BY                                                                                       |
|-----------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Sign/Date | <br>23/04/25 | <br>23/04/25 | <br>23/04/25 |