



# SALICYLATES AND CHEMICALS

## PRIVATE LIMITED



ISO 9001:2015 045

### CERTIFICATE OF ANALYSIS

|                        |                       |                               |          |
|------------------------|-----------------------|-------------------------------|----------|
| <b>Product Name</b>    | SALIGIN MPS           |                               |          |
| <b>Chemical Name</b>   | SODIUM METHYL PARABEN |                               |          |
| <b>Batch / Lot No.</b> | 276/MS/1123           | <b>A.R. No.</b>               | 23MS2049 |
| <b>Mfg. Date</b>       | NOV, 2023             | <b>Total Batch Qty.</b>       | 1000 KGS |
| <b>Exp. Date</b>       | OCT, 2028             | <b>Dispatch / Sample Qty.</b> | 1000 KGS |

| TEST                        | SPECIFICATIONS  | RESULTS                               |
|-----------------------------|---|---------------------------------------|
| Description                 | White, hygroscopic powder.  | Complies                              |
| Solubility                  | Freely soluble in water; sparingly soluble in alcohol; insoluble in fixed oils.   | Complies                              |
| Identification              | A. <b>Infrared absorption:</b> The IR absorption spectrum of a mineral oil dispersion of the Sample exhibits maxima only at the same wavelengths as those of a similar preparation of the Standard. | Complies                              |
|                             | B. <b>Color test:</b> A platinum wire dipped in the Sample solution imparts an intense, persistent yellow color to a non luminous flame.  | Complies                              |
| pH                          | 9.5 - 10.5  | 9.7                                   |
| Assay by Residual titration | Methylparaben Sodium contains NLT 98.5% and NMT 101.5% of Methylparaben sodium (C <sub>8</sub> H <sub>7</sub> NaO <sub>3</sub> ), calculated on the anhydrous basis.                                | 99.8%                                 |
| Related substance by HPLC*  | p-Hydroxybenzoic acid – NMT 3.0%<br>Unspecified impurities – NMT 0.5%<br>Total unspecified impurities – NMT 1.0%  | 0.58%<br>Not detected<br>Not detected |
| Completeness of Solution    | Meets the requirements.   | Complies                              |
| Chloride                    | NMT 0.035%  | < 0.035%                              |
| Sulfate                     | NMT 0.12%   | < 0.12%                               |
| Water Determination         | NMT 5.0%  | 1.04%                                 |
| Assay                       | 95.0% - 102.0% on the anhydrous basis.  | 97.7%                                 |
| Residual solvents by GC-HS* | Methanol – NMT 3000 ppm   | < 3000 ppm                            |

**Remark: The above batch complies with the prescribed standards of quality as per USP-NF 2021 Standard.**

|                          |                                 |                            |
|--------------------------|---------------------------------|----------------------------|
|                          |                                 |                            |
| PREPARED BY<br>C. HARISH | CHECKED BY<br>KRISHNA B. PAMIDI | APPROVED BY<br>P.N. SHARMA |
| QUALITY CONTROL          | QUALITY CONTROL                 | QUALITY ASSURANCE          |
| 14/11/2023               | 14/11/2023                      | 14/11/2023                 |



**Corp. & Regd Office :** Plot No. 30, Sy.No. 124, Tech Park, Nacharam, Hyderabad - 500 076, Telangana, INDIA.

**Works :** A-25, Road No. 18, IDA Nacharam, Hyderabad - 500 076.

Tel. : +91-40-27171550, 27174691, E-mail : corporate@salicylates.net

Website : www.preservativesindia.com