

## CERTIFICATE OF ANALYSIS

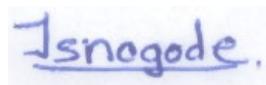
**PRODUCT NAME : 1-BUTANE SULFONIC ACID SODIUM SALT ANHYDROUS  
(FOR HPLC)**

|                         |                                                    |                     |             |
|-------------------------|----------------------------------------------------|---------------------|-------------|
| <b>CAS No</b>           | : 2386-54-1                                        | <b>Product code</b> | : 22390     |
| <b>Mol. Formula</b>     | : C <sub>4</sub> H <sub>9</sub> NaO <sub>3</sub> S | <b>Batch No</b>     | : MCR-31698 |
| <b>Mol. WT</b>          | : 160.16                                           | <b>Mfd.</b>         | : Aug. 2024 |
| <b>Date of analysis</b> | : 14/08/24                                         | <b>Exp.</b>         | : July 2029 |

| S.R | Test                                                                             | Specification   | Observation     |
|-----|----------------------------------------------------------------------------------|-----------------|-----------------|
| 1   | Description                                                                      | A white powder. | A white powder. |
| 2   | Assay(on dried basis)                                                            | 99% min         | 99.15%          |
| 3   | pH(10%aq. solution)                                                              | 5.5 – 7.5       | 6.53            |
| 4   | Loss on drying (120°C)                                                           | 2 % max         | 0.98%           |
| 5   | Minimum Transmission of 0.005 mol /L solution (in 1 cm cell vs H <sub>2</sub> O) |                 |                 |
|     | 200nm                                                                            | 70%             | 78.10%          |
|     | 220nm                                                                            | 90%             | 93.55%          |
|     | 250nm                                                                            | 98%             | 99.34%          |

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Jyoti)**

**[QC Incharge]**



**HEAD-QUALITY ASSURANCE  
(G.G.Salian)**

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**Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.**