



## **CERTIFICATE OF ANALYSIS**

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

**CAS No : 22767-49-3**  
**Mol. Formula : C<sub>5</sub>H<sub>11</sub>NaO<sub>3</sub>S**  
**Mol. WT : 174.21**  
**Date Of Analysis : 29/03/22**

**Product code : 16729**  
**Batch No. : MCR-25383**  
**Mfd. : March 2022**  
**Exp. : Feb. 2027**

| S. R | Test                                                                         | Specification                       | Observation   |
|------|------------------------------------------------------------------------------|-------------------------------------|---------------|
| 1    | Description                                                                  | White Powder or crystalline powder. | White powder. |
| 2    | Assay(on dried basis)                                                        | 99% min                             | 99.33%        |
| 3    | pH (10%aq.solution)                                                          | 5.5 – 7.5                           | 6.11          |
| 4    | Loss on drying (120 <sup>0</sup> C)                                          | 2 % max                             | 0.28%         |
| 5    | Minimum Transmission of 0.005 mol /L soln (in 1 cm cell vs H <sub>2</sub> O) |                                     |               |
|      | Wavelength                                                                   | Transmission                        | Observation   |
|      | 200nm                                                                        | 70%                                 | 94.72 %       |
|      | 220nm                                                                        | 90%                                 | 97.14 %       |
|      | 250nm                                                                        | 98%                                 | 98.52 %       |

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

**[Tested By]**

**[QC Incharge]**

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

**Note:** Computer generated image requires no sign.

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