

## 2599 – 3, 5-DINITROSALICYLIC ACID, AR GRADE

|                           |  |                         |
|---------------------------|--|-------------------------|
| REF NO: TBL/QA/SS/LC/2599 | <b>STANDARD SPECIFICATION<br/>FOR 3, 5-DINITROSALICYLIC<br/>ACID, AR GRADE</b> | Rev. No: 03             |
| Issue No: 04              |  | Review Date: 12/11/2024 |
| Issue Date:13/11/2021     |  | Product code: 2599      |

### PRODUCT PROPERTIES

|                           |   |
|---------------------------|---|
| <b>C.A.S Number</b>       | 609-99-4  |
| <b>Chemical Formula</b>   | C <sub>7</sub> H <sub>4</sub> N <sub>2</sub> O <sub>7</sub>   |
| <b>Formula weight</b>     | 228.12  |
| <b>Functional Uses</b>    | 3,5-Dinitrosalicylic acid was used as a reagent for the preparation of oxazolines from amino alcohols and for the spectrophotometric determination of ampicillin. It was also used to measure the effects of silver nanoparticles on the membrane leakage of the reducing sugars. |
| <b>Standard Packaging</b> | 25 gm, 100 gm   |

### PHYSICAL PARAMETERS

| PRODUCT PARAMETER | SPECIFICATION                   |
|-------------------|---------------------------------|
| Appearance        | Pale yellow crystalline powder. |

### CHEMICAL PARAMETERS

| PRODUCT PARAMETER               | SPECIFICATION |
|---------------------------------|---------------|
| Melting Point                   | 168 – 172°C   |
| Suitable for (Amylase activity) | Passes Test   |
| Assay                           | 98.0– 102.0%  |

**NOTE:** Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.