

## Certificate of Analysis

|                 |                                        |                           |                     |
|-----------------|----------------------------------------|---------------------------|---------------------|
| <b>Product</b>  | <b>Sodium Thiosulfate Pentahydrate</b> | <b>Batch No.</b>          | <b>: 21 03 0197</b> |
| <b>Grade</b>    | <b>AR.</b>                             | <b>Manufacturing date</b> | <b>: 16/03/2021</b> |
| <b>Code No.</b> | <b>AR1177</b>                          | <b>Best before</b>        | <b>: 03/2026</b>    |

| Items | Descriptions                         | Specifications               | Test Results                 |
|-------|--------------------------------------|------------------------------|------------------------------|
| 1     | Description                          | Colorless crystalline powder | Colorless crystalline powder |
| 2     | Assay                                | 99.5 - 100.5%                | 99.7%                        |
| 3     | Reaction                             | pH 5.5 – 7.5                 | pH 5.5 – 7.5                 |
| 4     | Insoluble matter                     | 0.003% max.                  | < 0.003%                     |
| 5     | Nitrogen Compound (N)                | 0.005% max.                  | < 0.005%                     |
| 6     | Chloride (Cl)                        | 0.005% max.                  | < 0.005%                     |
| 7     | Sulfate & Sulfite (SO <sub>4</sub> ) | 0.03% max.                   | < 0.03%                      |
| 8     | Sulfide (S)                          | 0.0002% max.                 | < 0.0002%                    |
| 9     | Calcium (Ca)                         | 0.002% max.                  | < 0.002%                     |
| 10    | Copper (Cu)                          | 0.0005% max.                 | < 0.0005%                    |
| 11    | Iron (Fe)                            | 0.0005% max.                 | < 0.0005%                    |
| 12    | Lead (Pb)                            | 0.0005% max.                 | < 0.0005%                    |
| 13    | Magnesium (Mg)                       | 0.001% max.                  | < 0.001%                     |
| 14    | Potassium (K)                        | 0.001% max.                  | < 0.001%                     |

This is to certify the above batch has been tested and complies with this specification.

Ladaphan

Chemist

Achan

Technical Manager