



# Product Specification

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## SODIUM SULPHATE ANHYDROUS AR/ACS

|                                                   |                                                |
|---------------------------------------------------|------------------------------------------------|
| PRODUCT CODE                                      | 646605                                         |
| SYNONYMS                                          | --                                             |
| C.I. NO.                                          | --                                             |
| CASR NO.                                          | (7757-82-6)                                    |
| ATOMIC OR MOLECULAR FORMULA                       | Na <sub>2</sub> SO <sub>4</sub>                |
| ATOMIC OR MOLECULAR WEIGHT                        | 142.04                                         |
| PROPERTIES                                        | Non-combustible, Hygroscopic                   |
| PARAMETER                                         | LIMIT                                          |
| Description                                       | White crystalline powder (Hygroscopic)         |
| Solubility                                        | 10% solution in water is clear and colourless. |
| Minimum assay (Acidimetric after drying)          | 99.5%                                          |
| pH of (5 % solution in water )                    | 5.2-8.0                                        |
| MAXIMUM LIMIT OF IMPURITIES                       |                                                |
| Loss on drying (at 130°C)                         | 0.5%                                           |
| Loss on ignition(at 800°C)                        | 0.5%                                           |
| Insoluble matter                                  | 0.01%                                          |
| Acidity (H <sub>2</sub> SO <sub>4</sub> )         | 0.01%                                          |
| Alkalinity(NaOH)                                  | 0.008%                                         |
| Chloride ( Cl )                                   | 0.001%                                         |
| Nitrogen compound (N)                             | 0.0005%                                        |
| Phosphate(PO <sub>4</sub> )                       | 0.001%                                         |
| Arsenic (As)                                      | 0.0001%                                        |
| Calcium (Ca)                                      | 0.005%                                         |
| Copper (Cu)                                       | 0.0005%                                        |
| Iron (Fe)                                         | 0.0005%                                        |
| Heavy Metals (as Pb)                              | 0.0005%                                        |
| Magnesium (Mg)                                    | 0.001%                                         |
| Potassium (K)                                     | 0.002%                                         |
| Reducing substances (O)                           | 0.002%                                         |
| Oxidising substances                              | No reaction                                    |
| Note(s) : Assay (if applicable) method mentioned. |                                                |



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|                                                                                                                                 |  |                                            |
|---------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------|
| <b>WARNING</b>                                                                                                                  |  | IMDG Code : --<br>UN No. : --<br>IATA : -- |
| <b>Hazard statements:</b> Not hazardous. No hazards.                                                                            |  |                                            |
| <b>Precautionary statements :</b>                                                                                               |  |                                            |
| <b>Prevention:</b>                                                                                                              |  |                                            |
| <b>Response:</b>                                                                                                                |  |                                            |
| Disposal: Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water. |  |                                            |
| Hazard Pictogram(s) :-                                                                                                          |  |                                            |

Replace Date 21.11.2022