

ISO 9001:2008 Co.



# Rehsiff Scientific®

Manufacture & Importer of  
Laboratory Fine Chemicals, Diagnostic Kit & Lab wares

## BARIUM SULPHATE AR/ACS

|  |   |               |
|--|---|---------------|
| <b>PRODUCT CODE</b>                                      | <b>R04043</b>   |               |
| <b>SYNONYMS</b>  | --  |               |
| <b>C.I. NO.</b>  | --  |               |
| <b>CASR NO.</b>  | (7727-43-7)   |               |
| <b>ATOMIC OR MOLECULAR FORMULA</b>                       | BaSO <sub>4</sub>   |               |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>                        | 233.39  |               |
| <b>PROPERTIES</b>  | ---   |               |
| <b>PARAMETER</b>   | <b>LIMIT</b>  |               |
| Description  | Fine heavy white powder, free from gritty particles, odourless. |               |
| Solubility   | Soluble in hot concentrated sulphuric acid. Insoluble in water. |               |
| Identification   | Passes tests.   |               |
| Assay (Gravimetric; as BaSO <sub>4</sub> )               | 97.5 – 100.5%   |               |
| pH (10% suspension in water)                             | 3.5 – 10.0  |               |
| <b>MAXIMUM LIMIT OF IMPURITIES</b>                       |   |               |
| Loss on ignition (at 600°C)                              | 2.0%  |               |
| Acid soluble matter                                      | 0.3%  |               |
| Acidity or Alkalinity                                    | 0.2 ml N%   |               |
| Phosphate (PO <sub>4</sub> )                             | 0.003%  |               |
| Arsenic (As)   | 0.0001%   |               |
| Heavy metals (Pb)  | 0.001%  |               |
| Iron (Fe)  | 0.001%  |               |
| Sulphide   | 0.00005%  |               |
| Bulkiness  | Passes test.  |               |
| Oxidisable sulphur                                       | Passes test.  |               |
| Sedimentation  | Passes test.  |               |
| Soluble Barium salt                                      | 0.001%  |               |
| <b>Note(s) : Assay (if applicable) method mentioned.</b> |   |               |
| <b>WARNING</b>   |   | IMDG Code :-- |
| <b>Hazard statements:</b> Not hazardous. No hazards.     |   | UN No. :--    |
| <b>Precautionary statements</b>                          |   | IATA :--      |
| <b>Prevention:</b> -----                                 |   |               |
| <b>Response:</b> -----                                   |   |               |
| <b>Disposal:</b> -----                                   |   |               |
| <b>Hazard Pictogram(s) :-----</b>                        |   |               |

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