



# Product Specification

cdhfinechemical.com

## AMMONIUM PENTABORATE TETRAHYDRATE AR

|   |   |   |
|---|---|---|
| <b>PRODUCT CODE</b>   | <b>457490</b>   |   |
| <b>SYNONYMS</b>   | —   |   |
| <b>C.I. NO.</b>   | —   |   |
| <b>CASR NO.</b>   | <b>12007-89-5</b>   |   |
| <b>ATOMIC OR MOLECULAR FORMULA</b>  | <b>(NH<sub>4</sub>)B<sub>5</sub>O<sub>8</sub>.4H<sub>2</sub>O</b> | <b>(NH<sub>4</sub>)B<sub>5</sub>O<sub>8</sub>.4H<sub>2</sub>O</b> |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>   | <b>272.14</b>   |   |
| <b>PROPERTIES</b>   | —   |   |
| <b>PARAMETER</b>  | <b>LIMIT</b>  |   |
| Description   | A white crystalline powder.                                       |   |
| Solubility  | 10% solution in warm water is clear and colourless.               |   |
| Minimum assay (acidimetric)   | 99.5%   |   |
| pH (of 2% soln. in water.)  | 7.5 – 8.5   |   |
| <b>MAXIMUM LIMIT OF IMPURITIES</b>  |   |   |
| Chloride (Cl)   | 0.0005%   |   |
| Sulphate (SO <sub>4</sub> )   | 0.0005%   |   |
| Iron (Fe)   | 0.0001%   |   |
| Lead (Pb)   | 0.0005%   |   |
| <b>Note(s) : Assay (if applicable) method mentioned.</b>  |   |   |
| <b>WARNING</b><br><b>Hazard statements</b> :Not hazardous. No hazards.<br><b>Precautionary statements</b><br><b>Prevention</b> : -----<br><b>Response</b> : --- |   | IMDG Code :<br>UN No. :<br>IATA :                                 |
| <b>Disposal</b> : Dissolve the chemical to be disposed, in water and allow it to run to waste, diluting with large quantities of water                          |   |   |
| Hazard Pictogram(s) :-  |   |   |