



# Product Specification

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## L-ASPARTIC ACID POTASSIUM SALT EXTRAPURE

|                                                                                                    |                                                |
|----------------------------------------------------------------------------------------------------|------------------------------------------------|
| PRODUCT CODE                                                                                       | 012845                                         |
| SYNONYMS                                                                                           | --                                             |
| C.I. NO.                                                                                           | --                                             |
| CASR NO.                                                                                           | (1115-63-5)                                    |
| ATOMIC OR MOLECULAR FORMULA                                                                        | C <sub>4</sub> H <sub>6</sub> KNO <sub>4</sub> |
| ATOMIC OR MOLECULAR WEIGHT                                                                         | 171.19                                         |
| PROPERTIES                                                                                         | --                                             |
| PARAMETER                                                                                          | LIMIT                                          |
| Description                                                                                        | White crystalline powder.                      |
| Solubility                                                                                         | 10% aq. solution clear and colourless.         |
| Minimum Assay (NT) (anhydrous basis)                                                               | 98.0%                                          |
| pH (5% aq. solution)                                                                               | 6.0-7.5                                        |
| Specific Rotation (α) 20°C (on anhydrous basis)<br>(C=8, 6 Mol/L HCl)                              | + 19° to + 22°                                 |
| MAXIMUM LIMIT OF IMPURITIES                                                                        |                                                |
| Water (KF)                                                                                         | 6.0%                                           |
| Chloride (Cl)                                                                                      | 0.02%                                          |
| Sulphate (SO <sub>4</sub> )                                                                        | 0.05%                                          |
| Iron (Fe)                                                                                          | 0.003%                                         |
| Note(s): Assay (if applicable) method mentioned.                                                   |                                                |
| WARNING--<br>Hazard statements: --<br>Precautionary statements<br>Prevention: --<br>Response: ---. | IMDG Code :--<br>UN No. :--<br>IATA :--        |
| Disposal: --                                                                                       |                                                |
| Hazard Pictogram(s) :--                                                                            |                                                |