

## Product Specification

Product Name: L-Aspartic acid  
2-Aminobutanedioic acid

Item Nr.: 1621                                      MW: 133.10 g/mol                                      C<sub>4</sub>H<sub>7</sub>NO<sub>4</sub>  
CAS Nr.: 56-84-8                                      E.C.Nr.:                                      EINECS: 200-291-6

| Parameter                   | Method                  | Specification            | Unit |
|-----------------------------|-------------------------|--------------------------|------|
| Appearance                  | visual                  | White crystalline powder |      |
| Solubility                  | 5% in 103g/l HCl        | soluble                  |      |
| Clarity of solution         | Nephelometry            | 0                        | NTU  |
| Coloration of sol.          | Gardner                 | 1                        |      |
| Assay                       |                         | 98.5 - 101.5             | %    |
| Loss on drying              |                         | < 0.5                    | %    |
| pH                          | 10% in H <sub>2</sub> O | 2.5 - 3.5                |      |
| Optical rotation            | acc. to EP monogr. 0797 | 24.0 - 26.0              | °    |
| Sulfated ash                |                         | <0.1                     | %    |
| Iron (Fe)                   |                         | < 10                     | ppm  |
| Chlorides                   |                         | < 200                    | ppm  |
| Ammonium (NH <sub>4</sub> ) |                         | < 200                    | ppm  |
| Sulfates (SO <sub>4</sub> ) |                         | < 300                    | ppm  |
| A260                        | 2% in 5N HCl            | < 0.05                   |      |

Storage: Keep well closed at room temperature in a dark and dry place. Long storage at 4°C. Avoid contact with metal.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 03/2010.2021