

TDS – TECHNICAL DATA SHEET

L-ASPARTIC ACID

Formula: $C_4H_7NO_4$

CAS: 56-84-8

EC.: 200-291-6

NCM: 2922.4990

Standard: USP38

| Item | Standard |
|---------------------------------------|-----------------------------|
| Appearance | White or colorless crystals |
| Assay | 98.5 ~ 101.5% |
| $[\alpha]_D^{20}$ (specific rotation) | +24.5° ~ +26.0° |
| Sulphate | ≤ 0.03% |
| Chloride | ≤ 0.02% |
| Iron (Fe) | ≤ 0.001% |
| Loss on drying | ≤ 0.25% |
| Residue on ignition | ≤ 0.10% |
| Heavy Metals [Pb] | ≤ 0.001% |
| Lead [Pb] | ≤ 5 ppm |
| Chromatographic purity | Meet the requirements |
| Organic volatile impurities | Meet the requirements |
| Staphylococcus aureus | Negative/10g |
| Total plate count | < 1000 cfu/g |
| Yeast & molds | < 100 cfu/g |
| Enterobacteriaceae | Negative/25 g |

V01 – Nov. 22

www.versattoquimica.com