

## Technical Data Sheet

**Product Name:** L-Aspartic Acid

**CAS No.:** 56-84-8

**Chemical Structure:**  $C_4H_7NO_4$

**Formula Weight:** 133.1

**Specifications:**

Item	Limit
Appearance	A white crystalline powder or colorless crystals
Identification (IR)	Complies
Assay %	98.5~101.5
Transmittance	$\geq 98.0\%$
$[\alpha]_D^{20}$ (specific rotation)	$+24.8^\circ \sim +25.8^\circ$
Sulfate [SO <sub>4</sub> ] %	$\leq 0.02$
Chloride [Cl] %	$\leq 0.02$
Iron [Fe] ppm	$\leq 10$
Loss on drying%	$\leq 0.20$
Residue on ignition%	$\leq 0.10$
Heavy Metals [Pb]ppm	$\leq 10$
Ammonium salt [NH <sub>4</sub> ] %	$\leq 0.02$
Lead [Pb] ppm	$\leq 5$
Arsenic [As] ppm	$\leq 1$
pH	2.5~3.5