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Typical Product Specifications & Properties

L-Aspartic Acid

CAS Number: : 56-84-8

Specifications	Limits
Purity	98.5% Min — 99.6%
Transmittance	98 % Min — 99.1 %
Specific Rotation	24.8-25.8 — 25.4°
Chlorides	0.02% Max — Pass
Loss on Drying	0.2% Max — Pass
Residue on Ignition	0.10 % Max — Pass
Iron	0.001% Max — Pass
NH4	0.05 % Max — 0.03
SO4	0.03 % Max — 0.02 %
Heavy Metals; USP <231>	10 µm Max — Pass
Arsenic PPM	2 ppm Max — 1 ppm
Other Amino Acid	Not detective — Pass



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Specifications	Limits
Density	1.661 (12.5 c)
Slightly Soluble	in water
Insolubility	in alcohol, ether
Melting Point	270 c
Color	colorless to white crystal, acid taste
Molecular weight	133.11
Solubility	acids, alkalis
Chemical Structure	 <chem>O=C(O)[C@H](O)[C@@H](O)C(=O)O</chem>



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