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Typical Product Specifications & Properties

L-Alanine

CAS Number: : 56-41-7

Specifications	Limits
Density	1.401
Slightly Soluble	in alcohol
Ammonium	0.02% Max
Heavy Metals	0.001% Max
Specific Rotation	14.3-15.2 deg
Iron	0.01% Max
Chloride	0.020% Max
Loss on Drying	0.20% Max
Residue on Ignition	0.10% Max
Assay	99.0%-101.0%
Sulfate	0.020% Max
Bulk Density	0.7-0.8 g/ml



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Specifications	Limits
Identification	Positive
Mesh	90% pass 40-60 mesh
Transmittance	98.0% Min
Arsenic	0.0001% Max
pH	5.7-6.7
Appearance	White crystalline powder
Odor	wh. cryst. powd., odorless, sweet taste
Melting Point	297 c (dec.)
Insolubility	in ether
Molecular weight	89.09
Solubility	water
Chemical Structure	



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