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Typical Product Specifications & Properties

L-Isoleucine

CAS Number: : 73-32-5

Specifications	Limits
Assay	98.5 - 101.5%
Appearance	Crystalline Powder
Odor	Odorless
Iron	NMT 0.003%
Taste	Slightly sweet then bitter
pH	5.5 - 7.0
Practically Insoluble	in alcohol
Sulphate	NMT 0.03%
Slightly Soluble	in water
Sulphated Ash	NMT 0.3%
Color	White
Loss on Drying	NMT 0.3%



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Specifications	Limits
Specific Rotation	+38.9 deg. to + 41.8 deg.
Chloride	NMT 0.05%
Total Heavy Metals	NMT 15 ppm
Arsenic	NMT 1 ppm
Mercury	NMT 0.1 ppm
Lead	NMT 3 ppm
Cadmium	NMT 1 ppm
Yeast and Mold	NMT 100 cfu/g
Total Plate Count	NMT 1,000 cfu/g
E. Coli	Absent
Salmonella	absent
Melting Point	283-284 c (dec.)



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Specifications	Limits
Molecular weight	131.17
Insolubility	in ether

Specifications	Limits
Chemical Structure	



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