

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Specification Sheet

Product Name: **L(+)-Glutamic acid**
 Specifications & Purity: **Ultra pure, ≥99.5%(NT)**
 SKU #: **G103979**

Parameter	Limit Values
Nickel(Ni)	0-5 (ppm)
Ammonia (NH ₄)	0-0.02 (%)
Chloride (Cl ⁻)	0-0.02 (%)
Calcium(Ca)	0-200 (ppm)
Ignition Residue (as sulfate)	0-0.05 (%)
Cadmium(Cd)	0-5 (ppm)
Zinc(Zn)	0-5 (ppm)
Iron(Fe)	0-5 (ppm)
Potassium(K)	0-50 (ppm)
UV Absorbance 260nm	0-0.1
Bismuth(Bi)	0-5 (ppm)
UV Absorbance 280nm	0-0.1
Magnesium (Mg)	0-5 (ppm)
Lithium(Li)	0-5 (ppm)
Barium(Ba)	0-5 (ppm)
Specific Rotation [α] ₂₀ /D(c=5 in 5 M HCl)	30.5-32.5 (°)
Purity((NT)	99.5-100.5 (%)
Sulfate(SO ₄ ²⁻)	0-200 (ppm)
Loss on drying	0-0.05 (%)
Sodium(Na)	0-200 (ppm)
Manganese(Mn)	0-5
Aluminum(Al)	0-5 (ppm)
Cobalt (Co)	0-5 (ppm)
(Pb)Lead	0-5 (ppm)
Molybdenum(Mo)	0-5 (ppm)
Chrome(Cr)	0-5 (ppm)
Strontium(Sr)	0-5 (ppm)
Copper(Cu)	0-5 (ppm)
foreign amino acids	0-0.5 (%)
Appearance (G103979)	white powder

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Tax ID: 91310000685518645K

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Parameter

Infrared spectrum

Insoluble matter

Solubility 1M HCl , soluble 1 M at 20°C, clear, colorless

λ, 1 M in 1 M HCl

Limit Values

Conforms to Structure

pass

pass

Pass

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