

## **CERTIFICATE OF ANALYSIS**

Product Name	L-Isoleucine powder	Batch Number	010049230510
CAS Number	131598-62-4	Manufacture Date	May 10, 2023
Molecular formula	C <sub>7</sub> H <sub>12</sub> N <sub>4</sub> O <sub>2</sub>	Best Used Before	May 09, 2025

Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation	+38.9°~+41.8°	+40.9°
Chloride(Cl)	≤0.05%	<0.05%
Sulfate(SO <sub>4</sub> )	≤0.03%	<0.03%
Iron(Fe)	≤30ppm	<30ppm
Heavy metals(Pb)	≤15ppm	<15ppm
Arsenic(As <sub>2</sub> O <sub>3</sub> )	≤1.5ppm	<1.5ppm
Organic volatile impurity	Meet the requirement	Conforms
Loss on drying	≤0.20%	0.16%
Residue on ignition(Sulfated)	≤0.30%	0.06%
Assay	98.5~101.5%	99.6%
pH	5.5~7.0	6.5

**Conclusion:** Qualified.

Net weight: 25.0kgs/Drum

Gross weight: 27.5Kgs±0.5kg/Drum

24 months under 30°C in a well-closed container and away from moisture, light, oxygen.

Packed in paper drum or carton with two plastic bags inside.

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