

Certificate of Analysis

Product Name: L-Leucine

Lot No.:

PKG Size:

Tomo Chemical Co. Ltd.

4th Floor, 4-7-19 Kudan-minami, Chiyoda-ku

Tokyo 102-0074 JAPAN

Test Item	Specification	Result
Appearance	White crystalline powder or powder	Passes test
Odor	Slightly characteristic odor	Passes test
Purity test		
Optical rotation $[\alpha]_D^{20}$	+14.5 - +16.5°	+15.3°
Solubility	Colorless	Passes test
pH	5.5 - 6.5	6.2
Chloride	max. 0.10 %	In a range
Heavy metal (as Pb)	max. 20 µg/g	In a range
Arsenic (as As ₂ O ₃)	max. 4.0 µg/g	In a range
Loss on drying	max. 0.30 %	0.12%
Residue on ignition	max. 0.10 %	0.07 %
Content	98.0 - 102.0 %	100.20%

Inspecting Section Manager