

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-28 17:11:03
 Date of Next Testing: 2026-06-27 17:11:03
 Product Name: **trans-4-Hydroxy-L-proline**
 CAS Number: 51-35-4
 Specifications & Purity: Moligand™, for cell culture, ≥98.5%
 Lot #: F2325456
 SKU #: **T485298**
 Version: **1**
 Analysis #: **238703**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC area)	98.5-100 (%)	99.81200 %
Specific rotation $[\alpha]_{20/D(C=1, H_2O, 20^{\circ}C)}$	-77--74 (°)	-74.78200 °
Chloride (Cl-)	0-0.02 (%)	0.00000 %
Ammonium (NH ₄)	0-0.02 (%)	0.00000 %
Sulfate(SO ₄ 2-)	0-0.03 (%)	0.00000 %
Iron(Fe)	0-10 (ppm)	0.00000 ppm
Heavy metals	0-10 (ppm)	0.60000 ppm
Arsenic(As)	0-1 (ppm)	0.60000 ppm
Loss on drying	0-0.5 (%)	0.02020 %
Residue on ignition(Ash)	0-0.1 (%)	0.01010 %
Endotoxin Assay	0-1 (EU/mg)	0.12600 EU/mg
Appearance(T485298)	White Crystalline Powder	white crystalline powder
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Solubility in H ₂ O , Colorless ,Clear ,50 mg/mL in H ₂ O	pass	Pass
Cell Culture Test	pass	Pass



QualityAssurance@aladdinsci.com

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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager