

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	29855
Lot Number	000531-150423
Product	<i>trans</i>-L-4-Hydroxyproline Non-animal Japanese origin
	L-Hyp-OH (2 <i>S</i> ,4 <i>R</i>)-4-Hydroxypyrrolidine-2-carboxylic acid
CAS Number	51-35-4
Molecular Formula	C ₅ H ₉ NO ₃
Molecular Weight	131.1
Appearance	White crystalline powder
Melting Point	273°C (dec)
Heavy Metals	< 10 ppm
Anion	Chloride (Cl ⁻): < 0.02% Sulfate (SO ₄ ²⁻): < 0.02%
Cation	Ammonium (NH ₄ ⁺): < 0.02% Iron (Fe): < 10 ppm Arsenic (As ₂ O ₃): < 1 ppm
Optical Rotation	[α] _D ²⁰ = -75.7° (C = 1 in H ₂ O)
Transmission	State of solution: > 99%
Loss on Drying	0.05%
Related Substances	< 0.3%
Residue On Ignition	0.01%
Assay	99.8% (Dry basis)
Storage	Store at RT
Additional Information	Identification: Passes the test

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager