

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	36925
Lot Number	002895-005008
Product	L-Aspartic acid, non animal origin (S)-(+)-Aminosuccinic acid
CAS Number	56-84-8
Molecular Formula	C ₄ H ₇ NO ₄
Molecular Weight	133.1

Appearance	White crystalline powder
Heavy Metals	< 10 ppm (as Pb)
Anion	Chloride (Cl) : < 0.020% Sulfate (SO ₄) : < 0.020%
Cation	Ammonium (NH ₄) : < 0.02% Iron (Fe) : < 10 ppm Arsenic : < 1 ppm
pH	3.1
Mould and Yeast	Mold : < 10 cfu/g
Optical Rotation	[α] ²⁰ _D = 25.2 °
Transmission	State of solution : > 98%, Clear and colorless solution
Loss on Drying	0.03%
E. Coli	Negative
Endotoxin Test	< 6.0 EU/g
Microbial Count	< 100 cfu/g
Related Substances	Any unspecified impurity : < 0.00% Total unspecified Impurities : 0.00%
Residue On Ignition	0.01%
Assay	99.9%
D-Enantiomer	< 0.3%
Chiral Purity	> 99.7% (ee)
Grade	USP, EP, JP
Storage	Store at RT

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Additional Information

Identification : Passes test
Maleic Acid : 0.00%
Malic Acid : 0.00%
Fumaric Acid : 0.00%

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