

# Chem-Impex International, Inc.

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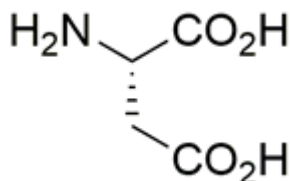
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	36925
<b>Product</b>	<b>L-Aspartic acid, non animal origin</b> (S)-(+)-Aminosuccinic acid L-Asp-OH
<b>CAS Number</b>	56-84-8
<b>Molecular Formula</b>	C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	133.1
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<b>Appearance</b>	White crystalline powder
<b>Heavy Metals</b>	≤ 10 ppm (as Pb)
<b>Anion</b>	Chloride (Cl) : ≤ 0.020% Sulfate (SO <sub>4</sub> ) : ≤ 0.020%
<b>Cation</b>	Ammonium (NH <sub>4</sub> ) : ≤ 0.02% Iron (Fe) : ≤ 10 ppm Arsenic : ≤ 1 ppm
<b>pH</b>	2.5 - 3.5
<b>Mould and Yeast</b>	Mold : ≤ 10 cfu/g
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 24.8 - 25.8 °
<b>Transmission</b>	State of solution : ≥ 98%, Clear and colorless solution
<b>Loss on Drying</b>	≤ 0.20%
<b>E. Coli</b>	Negative
<b>Endotoxin Test</b>	≤ 6.0 EU/g
<b>Microbial Count</b>	≤ 100 cfu/g
<b>Related Substances</b>	Any unspecified impurity : ≤ 0.05% Total unspecified Impurities : ≤ 0.10%
<b>Residue On Ignition</b>	≤ 0.10%
<b>Assay</b>	98.5 - 101.0%
<b>D-Enantiomer</b>	≤ 0.3%
<b>Chiral Purity</b>	≥ 99.7% (ee)
<b>Grade</b>	USP, EP, JP
<b>Storage</b>	Store at RT

# *Product Specifications*

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<b>Additional Information</b>	Identification : To pass test
	Maleic Acid : $\leq 0.05\%$
	Malic Acid : $\leq 0.20\%$
	Fumaric Acid : $\leq 0.10\%$

**For Laboratory Use Only**