

Chem-Impex International, Inc.

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825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	23180
Product	(S)-1,2,3,4-Tetrahydronaphthoic acid

Lot Number	001776-170102
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CAS Number	85977-52-2
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Molecular Formula	C ₁₁ H ₁₂ O ₂
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Molecular Weight	176.2
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Appearance	White or off-white crystal powder
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Melting Point	56 °C
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Heavy Metals	< 20 ppm
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Water Content (Karl Fisher)	0.1%
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Optical Rotation	[α] _D ²⁰ = -60.1° (C=0.3 in benzene)
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Loss on Drying	0.4%
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Related Substances	0.5%
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Assay	99.5%
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Chiral Purity	99.8%(ee)
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Storage	Store at 0-8 °C
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Additional Information	Isomer impurity : 0.2%
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Remarks	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager