

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	23181
Product	(R)-1,2,3,4-Tetrahydronaphthoic acid
Lot Number	001776-170101
CAS Number	23357-47-3
Molecular Formula	C ₁₁ H ₁₂ O ₂
Molecular Weight	176.2

Appearance	White or off-white crystal powder
Melting Point	57 °C
Heavy Metals	< 20 ppm
Water Content (Karl Fisher)	0.1%
Optical Rotation	[α] ²⁰ _D = 60° (C=0.3 in benzene)
Loss on Drying	0.3%
Related Substances	1.4%
Assay	98.6%
Chiral Purity	99.3% (ee)
Storage	Store at 0-8°C
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