

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	32453
Lot Number	003104-2004015
Product	Cinchonidine (-)-Cinchonidine
CAS Number	485-71-2
Molecular Formula	C ₁₉ H ₂₂ N ₂ O
Molecular Weight	294.39

Appearance	White crystalline or granular powder
Solubility	Soluble in chloroform, soluble in alcohol, practically insoluble in water
Melting Point	204.8 °C
Heavy Metals	0.0 ppm (as Pb)
Optical Rotation	[α] ²⁰ _D = -111.10 ° (C = 1 in Alcohol)
Loss on Drying	0.43% (105 °C, 3h)
Residual Solvents	Toluene : 0.0 ppm Benzene : 0.0 ppm
Related Substances	Other Cinchona Alkaloids Quinine and Dihydroquinine : 95.25% (HPLC)
Sulfated Ash	0.02%
Assay by titration	99.90% (On dried basis)
Storage	Store at RT
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