

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	32514
Product	Quinine
Lot Number	003020-02-04-2022
CAS Number	130-95-0
Molecular Formula	C ₂₀ H ₂₄ N ₂ O ₂
Molecular Weight	324.42
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Appearance	White fine colorless needles
Solubility	Very soluble in Methanol, very slightly soluble in water
Melting Point	176.1 °C
pH	8.55
Optical Rotation	[α] ²⁰ _D = -163.67 °
Loss on Drying	0.82%
Related Substances	Other cinchona alkaloids by HPLC Dihydroquinine : 1.82% Any related substance eluted before quinine : 0.27% Any other related substance : 0.09%
Sulfated Ash	0.04%
Assay by titration	99.94% (On dry 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