

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Certificate of Analysis

Catalogue Number	22213
Lot Number	003020-20-08-2022
Product	Quinine hydrochloride dihydrate
CAS Number	6119-47-7
Molecular Formula	C ₂₀ H ₂₄ N ₂ O ₂ •HCl•2H ₂ O
Molecular Weight	396.91

Appearance	White fine, silky needles, often in clusters
Appearance of Solution	Solution is clear and not more intensely colored than reference solution Y6
Solubility	Soluble in water, freely soluble in ethanol (96%)
Anion	Sulphates : < 500 ppm
Cation	Barium : Passes test as per B.P.
pH	6.26
Optical Rotation	[a] ²⁰ _D = -251.29 °
Loss on Drying	7.20%
Related Substances	Other cinchona alkaloids (Dihydroquinine) : 5.18% Any related substance eluted before quinine : 0.69% Any other related substance : 0.02%
Sulfated Ash	0.04%
Assay by titration	99.94% (On dry basis)
Grade	BP
Storage	Store at RT
Additional Information	Identification : A) By TLC : Complies B) By color test : Complies C) By fluorescence test : Complies D) To give reaction of Chloride : Complies E) By PH : Complies

Certificate of Analysis

Catalog Number: 22213

Lot Number: 003020-20-08-2022

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