



Specification

Quinine Monohydrochloride Dihydrate

Catalog Number: QH1002
CAS Number: 6119-47-7
Synonyms: N/A
Molecular Formula: $C_{20}H_{24}N_2O_2 \cdot HCl \cdot 2H_2O$
Molecular Weight: 396.9

Test	Specification
Description:	White to off-white odorless, crystalline powder
Identification A,B,C	Positive
pH	6.0 – 6.8
Water	<10.0%
Residue on Ignition:	0.15% maximum
Assay (on dry basis):	90.0% minimum
Specific Rotation: (20mg/ml in 0.1N HCl)	between -247 and -252 degrees
Barium (Ba)	To Pass test
Sulfate (SO ₄)	To Pass test
Chloroform-alcohol insoluble Substances:	To Pass test
Other cinchona Alkaloids:	To Pass test
Readily carbonizable substances	To Pass test
Solubility	Soluble in water, freely soluble in alcohol
Appearance of solution:	To Pass test

Approved:

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