



Specification

Quinine Sulfate Dihydrate USP

Catalog Number: QS1002
CAS Number: 6119-70-61
Synonyms: Quinine sulfate; Quinine bisulfate; Quinine hydrogen sulfate
Molecular Formula: $(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4 \cdot 2H_2O$
Molecular Weight: 782.94

Test	Specification
Description:	White, fine, needle-like crystals. Odorless, has a persistent, very bitter taste. It darkens on exposure to light.
Identification A,B,C:	To pass tests
Specific Rotation:	Between -235 and -245 degrees
Water:	4.0% to 5.5%
Residue on Ignition:	0.1% maximum
Heavy metals:	0.001% maximum
Assay (anhydrous basis):	99.0% to 101.0%
Chloroform-Alcohol insoluble Substances:	< 0.1%
Chromatographic Purity:	To pass test
Limit of Dihydroquinine Sulfate:	<10.0%
Residual Solvents (Toluene)	890 ppm maximum
Solubility (5% in 95% ethanol):	Clear, colorless to very faint yellow solution

Approved:

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