

Specification

Technical Data Sheet

Product Name	Quinine bisulfate
Product No	14050465
CAS Number	549-56-4
Storage Temperature	Ambient
Molecular Weight	422.50
	Specification
Appearance	Solid
Identification	A. TLC / B> Sulfate test
pH	2.8 - 3.4
Other cinchona alkaloids	(HPLC) Dihydroquinine \leq 10.0 % Any other impurity eluted before Quinine \leq 5.0 % Any other impurity \leq 2.5 %
Residual Solvents	meets the pharmacopoeial requirements
Specific optical rotation	-208° - 216° (on dry basis, c = 3.0 in 0.1 M HCl, $[\alpha]_{20D}$)

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Sulphated Ash	≤0.1%
Titrateable Cation	75.3 - 79.6%
Assay (dry basis)	98.5 - 101.5%
