



CERTIFICATE OF ANALYSIS

Product	Quinine sulfate
Grade	Reagent
Product Code	QB0803
Formula	$(C_{20}H_{24}N_2O_2)_2 \cdot H_2SO_4$
MW	764.9
CAS#	6119-70-6
Lot No	

Test Items	Specifications	Results
Appearance	White, fine needle-like crystals, odorless, has persistent, very bitter taste	
Specific rotation	-235° ~ -245Deg.	
Water	4.0%~5.5%	
Residual on Ignition	≤0.1%	
Heavy metals	≤0.001%	
Assay (anhydrous basis)	99.0-101.0%	
Chloroform-Alcohol insoluble substances	≤2mg (0.1%)	
Limit of Dihydroquinine Sulfate	≤10.0%	
Solubility (5% in 95% Ethanol)	clear , colorless to very faint yellow solution	

Storage: R.T.