



SHANDONG ZHI SHANG CHEMICAL CO.LTD

ADD:BUILDING 1,NO.88,WEST EXHIBITION ROAD,HIGH-TECH
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Specification of Analysis

Product Name:	Quinine hydrochloride dihydrate		
CAS No.:	6119-47-7	Quantity	500kgs
Rep Date	April,20th,2017	Batch NO.	20170415
MFG. Date	April,10th,2017	Expiry Date:	April,03th,2019

Test Item	Specification	Result
Appearance	White or off-white crystal powder	Conforms
Solution clarity	Clear	Conforms
Solubility	Solube in water,easier soluble in ethanol	Solube inwater,easier soluble in ethanol
Acidity	6.00-6.80	6.52
Specific rotation	-245°~-258°	-250°
Other Cinchona alkali	Conforms to requirements of HPLC	Conforms
Sulfate	≤500ppm	Conforms
Loss on drying	6%-10%	7%
Residue on ignition	≤0.1 %	0.03%
Assay	99-101 %	99.6%

Analyst:Liya

Checker:Wangwei

Q.C.Director:Mahong