



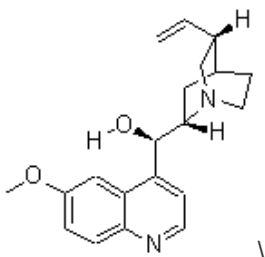
HANGZHOU DINGYAN CHEM CO.,LTD

TEL: 86-571-87157530,86465881,88025800, FAX:86-571-87156470

E-Mail:sales@dingyanchem.com,Web: www.dingyanchem.com

CERTIFICATE OF ANALYSIS

NO: **DYC081907171**

Product name	quinine sulfate dehydrate(BP2013)
CAS Number	6119-70-6
Molecule Structure	
Molecule Formula	C ₄₀ H ₅₄ N ₄ O ₁₀ S
Batch number	HYD180502
Manuf.&Exp. date	2018-05-15&2021-05-14
Testing date	2018-05-25

Items	Standard	Result
Characteristics	White of off-white crystalline powder or fine, colour less needles	complies
Identification	complies	complies
Solubility	Slightly soluble in water, sparingly soluble in boiling water and in ethanol(96 per cent)	complies
Appearance of solution	Clear ≤GY6	complies
PH	5.7-6.6	6.2
Specific rotation	-237° ~-245°	-240.6°
Other cinchona alkaloids	Impurity C≤10% Any impurity eluted before quinine ≤5% Any other impurity	6.3% 2.37% N. A
Loss on drying	3%-5%	4.3%
Sulphated ash	≤0.1%	0.08%
Assay	99%-101%(on dried substance)	99.2%
Conclusion:	The products complies with standard BP2013.	

Hangzhou Dingyan Chem Co., Ltd.

QUALITY CONTROL: 

CHECK: 姚仙娟

INSPECTOR: 刘清风

Add: Xiasha 571,19TH Street E-COMMERCE 4A601-602,Jiangnan Area, Hangzhou, China