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Certificate of Analysis

Product Name Quinine hydrochloride dihydrate Glentham Code GA8217 **CAS Number** 6119-47-7 **EINECS** 205-001-1 MDL Number MFCD00078498 Additional CAS 130-89-2 Additional CAS 60-93-5 (·2HCI) PubChem SID 310279542 Batch Number 093VWX

Molecular Weight

396.91

Molecular Formula $C_{20}H_{24}N_2O_2\cdot HCI\cdot 2H_2O$

Storage Temp. +20°C

 H_2C H_2O H_3C H_3C H_3C H_3C

Property	Specification	Batch 093VWX
Physical Description	White or almost white crystalline powder	Conforms
Identification	Identification tests A, B, C, D, E	Conforms
Appearance of Solution	Clear, and colour ≤ Y6	Conforms
pH (1% in water)	6.0 - 6.8	6.3
Specific Optical Rotation	-245258 °	-251°
Other Cinchona Alkaloids	Dihydroquinine hydrochloride: ≤ 10.0%	5.3%
	Any impurity eluted before quinine: ≤ 5.0%	1.9%
	Any Other Impurity: ≤ 2.5%	0.0%
Loss on Drying	6.0 - 10.0 %	7.0%
Sulphated Ash	≤ 0.1%	≤ 0.1%
Sulphates	≤ 500ppm	Conforms
Barium Test	No turbidity produced	Conforms
Heavy Metals	≤ 10ppm	Conforms
Assay	99.0 - 101.0 %	99.4%
Pharmacopoeia Specification(s)	Conforms to BP, EP	Conforms to BP2019, Ph. Eur. 9.0

Specification Version v1.0

Manufacture Date 2017-11-13

Re-Test Date 2028-04-30

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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