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Certificate of Analysis

Product Name Glentham Code CAS Number EINECS MDL Number Additional CAS PubChem SID Batch Number	Quinine sulfate GE0921 6119-70-6 212-359-2 MFCD0015079 207671-44-1 310279543 344FVU		Ho H	H_2C H_2O	H ₂ C H ₁ G N
Molecular Weight Molecular Formula Storage Temp.	391.47 C ₂₀ H ₂₄ N ₂ O ₂ · 0 +20°C).5H ₂ O ₄ S · H ₂ O		10	
Property		Specification		Batch 344FVU	
Physical Description		White or almost white, cry fine, colourless needles	stalline powder or	White crystalline powder	
Identification		Identification tests A, B, C	C, D, E	Conforms	
Appearance of Solution		Clear, and colour \leq GY6		Conforms	
pH (1% solution)		5.7 - 6.6		6.3	
Specific Optical Rotation		-237245 °		-242°	
Other Cinchona Alkaloids		Dihydroquinine Sulphate:	≤ 10.0%	6.1%	
		Any impurity eluted before	e Quinine: ≤ 5.0%	2.5%	
		Any other impurity: ≤ 2.5%	6	Conforms	
Loss on Drying		3.0 - 5.0 %		4.7%	
Sulphated Ash		≤ 0.1%		≤0.1%	
Heavy Metals		≤ 10ppm		Conforms	
Residual Solvents		Confoms to requirements		Conforms	
Content		99.0 - 101.0 % (alkaloid n basis)	nonosulphates, drie	d 99.8%	
Pharmacopoeia Specification(s)		Conforms to BP, EP		Conforms	
Specification Version Manufacture Date	v1.0 2017-08-17				

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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Re-Test Date

2029-03-24