

Specification

Technical Data Sheet

CAS**6119-47-7****STORAGE****Ambient****MOLECULAR WEIGHT****396.91****PRODUCT****Quinine hydrochloride Pharma grade**

Product number	90032310
CAS number	6119-47-7
Molecular formula	C ₂₀ H ₂₄ N ₂ O ₂ ·HCl·2H ₂ O
Molecular weight	396.91 g/mol

PARAMETER**SPECIFICATION**

Appearance	White to off-white powder
Assay (HPLC)	99.0-101.0%
Grade	Conforms to USP
Loss on Drying	6.0 - 10.0%
pH	6.0 - 6.8
Specific rotation	-240° to -226°
Water	6.0% - 10.0%
Appearance of Solution	Clear and colourless solution
Bromine and Ammonia	Green solution developed
Cadmium (Cd)	≤ 1ppm
Sulphated Ash	≤ 0.1%
Sulphates	≤ 500ppm
Titration by AgNO₃	95.0 - 105.0%
TLC	Conforms to reference
Arsenic (As)	≤ 3ppm
Lead (Pb)	≤ 10ppm

PARAMETER	SPECIFICATION
Mercury (Hg)	≤ 1ppm

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

Molekula Ltd would like to thank you for your support of our products and service.

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