

Certificate of Analysis

Reference Material & Standard

Product Name:	Quinidine Sulfate	Catalogue Number:	CCAD302801
Synonyms:	N/A	Lot Number:	1212-RF-0084
CAS Number:	50-54-4	Expiry Date:	Dec 11, 2028
Molecular Formula:	2*C ₂₀ H ₂₄ N ₂ O ₂ ·H ₂ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	2*324.42 98.08	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	81.618%
Residue on Ignition	TGA	0.1992%
Loss on Drying	TGA	4.5559%
Assay		77.7%
Uncertainty		±2.0%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 12, 2024

Date: Dec 12, 2024

Date: Dec 12, 2024



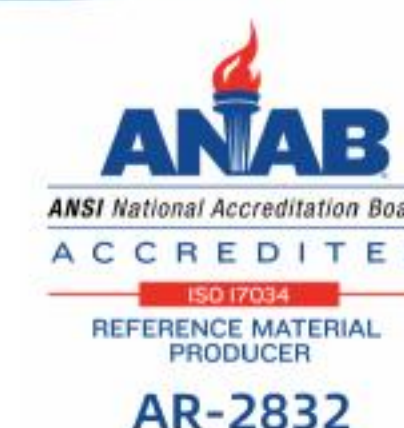
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