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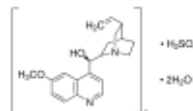
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Quinine hemisulfate salt monohydrate - synthetic, ≥90% (HPLC)

Product Number: Q1250
Batch Number: MKBZ3324V
Brand: SIGMA
CAS Number: 207671-44-1
MDL Number: MFCD00150790
Formula: C₂₀H₂₄N₂O₂ · 0.5H₂O₄S · H₂O
Formula Weight: 391.47 g/mol
Quality Release Date: 16 MAY 2016



Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Very Faint Yellow	Very Faint Yellow
Solubility (Turbidity)	Clear	Clear
50 mg/ml, Ethanol		
Water (by Karl Fischer)	≤ 6 %	4 %
Purity (HPLC)	≥ 90 %	95 %

Michael Grady, Manager
 Quality Control
 Milwaukee, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.