

## Certificate of Analysis

Date of Testing: 2024-04-28 11:01:01  
Date of Next Testing: 2028-04-27 11:01:01  
Product Name: **Cinchonidine**  
CAS Number: 485-71-2  
Specifications & Purity: 98%  
Lot #: D2410264  
SKU #: **C109632**  
**Analysis:** **333929**  
Storage Temperature: Protected from light

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=1 in EtOH)	-115--105 (°)	-106.29 °
Purity(Titration by HClO <sub>4</sub> )(calcd.on anh.substance)	97.5-102.5 (%)	98.00 %
Melting point	198-202 (°C)	200.00000 °C
Loss on drying	0-1 (%)	1.00 %
Ignition Residue (as sulfate)	0-0.1 (%)	0.10 %
Appearance (C109632)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager