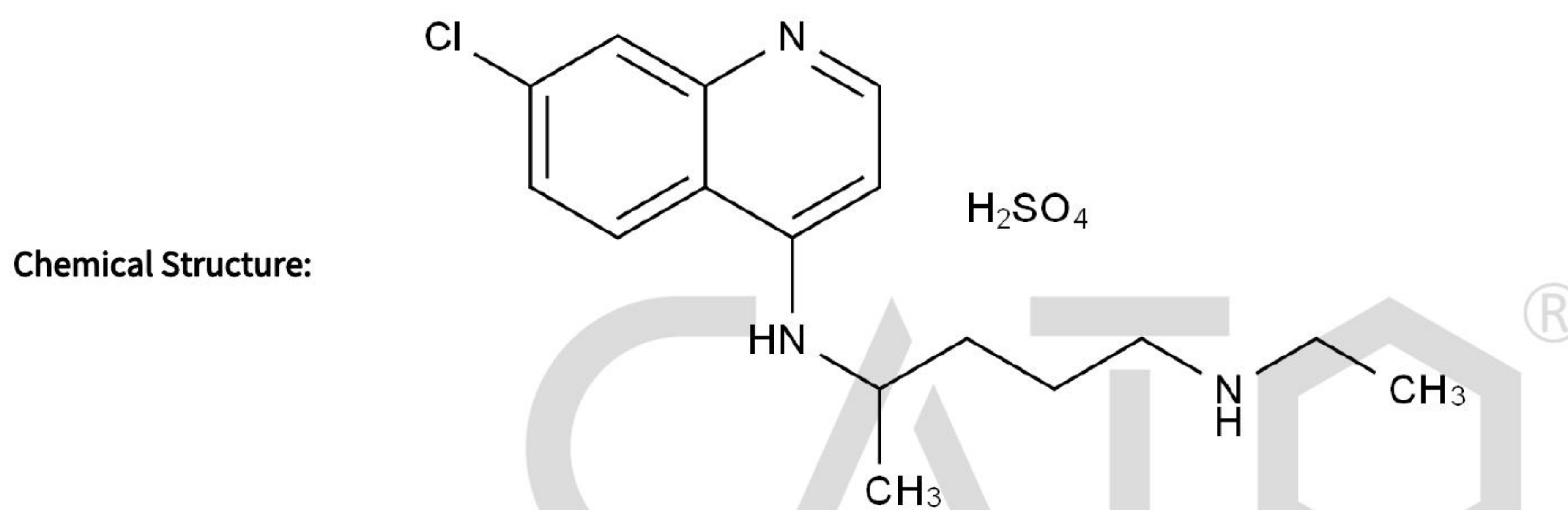


Certificate of Analysis

Reference Material & Standard

Product Name:	Hydroxychloroquine EP Impurity D Hydrogen sulfate	Catalogue Number:	C4X-183526
Synonyms:	N/A	Lot Number:	0328-RG-0063
CAS Number:	N/A	Expiry Date:	Mar 26, 2028
Molecular Formula:	C ₁₆ H ₂₂ ClN ₃ H ₂ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	291.82 98.08		



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.802%
Residue on Ignition	TGA	3.2126%
Loss On Drying	TGA	1.7692%
Assay		93.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 03, 2025

Date: Apr 03, 2025

Date: Apr 03, 2025

