

Certificate of Analysis

Reference Material & Standard

Product Name:	Hydroxychloroquine Impurity 53	Catalogue Number:	C4X-183553
Synonyms:	2-(Methylamino)ethanol	Lot Number:	0806-RG-0009
CAS Number:	109-83-1	Expiry Date:	Aug 07, 2029
Molecular Formula:	C3H9NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	75.11	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&CNMR&HNMR	Confirmed
Purity	ELSD	100.000%
Water Content	Karl Fischer	0.5088%
Assay		99.5%

Comment:

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

Assay (%) = (100% - Water Content) * Purity ELSD (%) / 100%

Water Content is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

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Approved by General Manager:

David

Date: Aug 08, 2025

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