



PRISM INDUSTRIES PVT. LTD.

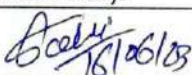

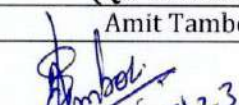
A WHO-GMP Certified Company
(Formerly known as Prism Industries Ltd.)

TYPICAL CERTIFICATE OF ANALYSIS

Product Name	: Quinine Dihydrochloride IP	Page 1 of 1
Reference	: Indian Pharmacopeia-2022	
Manufactured By	: Prism Industries Pvt. Ltd.	Product code : QDHCL
Batch Size	: 300.000 Kg	Self Life (Retest Date) : 3 year

Sr. No	TEST	SPECIFICATION	RESULTS
1	Appearance	A white or almost white powder	A white powder
2	Solubility	Very soluble in water; soluble in ethanol (96%). Slightly soluble in chloroform, very Slightly soluble in ether.	Very soluble in water; soluble in ethanol (96%), Slightly soluble in chloroform, very Slightly soluble in ether.
3	Identification A,B &C.	A) By TLC B) fluorescence C) Yields reaction a characteristic of Chloride	Complies Complies Complies
4	pH	2.0 to 3.0	2.66
5	Specific Optical Rotation	-223.0° to -229.0°	-224.44°
6	Other cinchona alkaloids by HPLC		
6.1	Dihydroquinine	Not more than 10.0 %	4.94%
6.2	Any related substance Eluted before quinine	Not more than 5.0 %	0.61%
6.3	Any other related substance	Not more than 2.5 %	0.02%
7	Loss on drying	NMT 3.0 %	1.00%
8	Sulphated Ash	Not more than 0.1 %	0.05%
9	Sulphates	To Complies test as per BP	Complies
10	Barium	To Complies test as per BP	Complies
11	Titratable cation	79.7 to 84.2%	83.26%
12	Assay (on dry basis)	99.0 % to 101.5%	99.88%

REMARK: As opinion of under signed product is **Complies/ does not Comply** as per prescribe Standard IP-2022.

	Prepared By (QC Chemist)	Checked By (QC Sr. Chemist)	Approved By (QC In charge)
Name	Sohil Darji	Dixit Prajaapti	Amit Tamboli
Sign & Date	 16/06/23	 16/06/23	 16/06/23

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