



TYPICAL CERTIFICATE OF ANALYSIS

Product : Quinine Dihydrochloride IP			Page 1 of 1
Reference : Indian Pharmacopeia-2022			
Manufactured By : Nicotine Vault		Product code : QDHCL	
Self Life (Retest Date) : 3 years		Batch Size : 300.000 Kg	
SR.NO	TESTS	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	Titrateable 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 <u>Complies/ does not Comply</u> as per prescribe Standard IP-2022.			