

TYPICAL CERTIFICATE OF ANALYSIS

Product : Quinine Dihydrochloride BP Page 1 of 1

Reference: British Pharmacopoeia-2024

Manufactured By: Nicotine Vault Product code: QDHCL

Self Life (Retest Date): 3 years

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%)	Very soluble in water; Soluble in ethanol (96%)
3	Identification A,B &,C.	A) By TLC B) Acidity Test. C) Yields reaction a characteristic of Chloride	Complies Complies Complies
4	pH	2.0 to 3.0	2.80
5	Specific Optical Rotation	-223.0° to-229.0°	-225.31°
6	Other cinchona alkaloids by HPLC		
6.1	Dihydroquinine	Not more than 10.0%	4.60%
6.2	Any related substance Eluted before quinine	Not more than 5.0%	0.29%
6.3	Any other related substance	Not more than 2.5%	0.01%
7	Loss on drying	NMT 3.0 %	1.18%
8	Sulphated Ash	Not more than 0.10%	0.05%
9	Sulphates	≤0.12%	Complies
10	Barium	The solution remains clear for at least 15 minutes	Complies
12	Assay (on dry basis)	99.0% to 101.0%	99.91%

REMARK: As opinion of under signed product is <u>Complies/ does not Comply</u> as per prescribe Standard BP-2024.