



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

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CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Hydroxychloroquine sulfate	747-36-4	20240620
Mfg. Date	Exp. Date	Package
Jun.,20,2024	Jun., 19,2026	25kg/ Box

Items	Specifications	Results
Appearance	White or off-white crystalline powder, odorless, bitter taste	Conforms
Solubility	Freely soluble in water; practically insoluble in ethanol, chloroform and ether	Conforms
Identification	UV: Maximum absorption at 257nm, 329nm and 343nm	Conforms
	IR: The infrared absorption spectrum should be consistent with that of the reference product (spectral collection No. 490)	Conforms
	Sulfate reaction: Positive reaction	Conforms
pH	3.5~5.5	3.94
Clarity and color of solution	Meet the requirements	Conforms
Chloride	$\leq 0.01\%$	Conforms
Related substance	Single impurity $\leq 0.5\%$	0.12%
	Total impurities $\leq 1.0\%$	0.37%
Residue on ignition	Isopropanol $\leq 5000\text{ppm}$	Not detected
	Ethyl acetate $\leq 5000\text{ppm}$	Not detected
	Ethanol $\leq 5000\text{ppm}$	4066ppm
	Dichloromethane $\leq 600\text{ppm}$	Not detected
Loss on drying	$\leq 1.0\%$	Conforms
Residue on ignition	$\leq 0.1\%$	Conforms
Heavy metal	$\leq 20\text{ppm}$	Conforms
Assay	98.0%~102.0%	99.92%
Conclusion	The product complies with above specifications	

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03