



武汉福鑫化工有限公司

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CERTIFICATE OF ANALYSIS

Product: Artesunate	Mfg. date: Mar., 10, 2024	Lot No.: 20240310
CAS NO. 88495-63-0	Exp. date: Mar., 09, 2026	Quantity: 500kg

Items	Specifications	Results
Appearance	White crystalline powder	Conforms
Optical rotation	+4.5°~+6.5°	4.9°
Identification	IR: Consistent with the reference spectrum.	Conforms
	HPLC: The retention time of the principle peak obtained with the test solution corresponds to the peak obtained with the control solution.	Conforms
Acidity	3.5-4.5	4.2
Chloride	≤0.02%	Conforms
Dihydroartemisinin	≤0.5%	Not detected
Artemisinin	≤0.5%	Not detected
Dehydrated dihydroartemisinin	≤0.1%	Not detected
Any other impurity	≤0.1%	Not detected
Total impurities	≤1.5%	Not detected
Water	≤0.5%	0.04%
Residue on ignition	≤0.1%	0.02%
Heavy metals	≤20ppm	Conforms
Methanol	≤0.3%	Not detected
Acetone	≤0.5%	0.2%
Hexane	≤0.029%	Not detected
Total aerobic bacteria	≤1000cfu/g	Conforms
Yeast & Mold	≤100cfu/g	Conforms
E.Coli	Negative	Conforms
Assay	98%~102%	100.1%
Conclusion	The product conforms to above standard.	

QC:

Tester:

Re-tester: