



Certificate of Analysis

Product Name	8-Hydroxyquinoline	Manufacture Date	July.13.2023
Batch Number	SW230713	Analysis Date	July.14.2023
Batch Quantity	100kg	Expiry Date	July.13.2025

ANALYSIS	SPECIFICATION	RESULT
Appearance	White to pale yellow powder	Conform
Loss on Drying	≤0.2%	0.13%
Solubility	Soluble in ethanol, benzene, insoluble in water	Conform
Particle Size	100% through 80 mesh	Conform
Boiling Point	267 °C/752 mm Hg(lit.)	Conform
Melting Point	70-73 °C(lit.)	72°C
Heavy metal		
Pb	≤ 10 ppm	2 ppm
Hg	≤ 1 ppm	Not Detected
Cu	≤ 50 ppm	19 ppm
Minimum Inhibitory Concentration		
Escherichia coli	0.125-2 µg/mL	Conform
Staphylococcus aureus	0.5-32 µg/mL	Conform
Klebsiella pneumoniae	2-4 µg/mL	Conform
Pseudomonas aeruginosa	16-64 µg/mL	Conform
Assay	99%	99.21%

Packing description	Sealed export grade drum & double of sealed plastic bag
Storage	Store in a cool and dry place, stay away from strong light and heat
Shelf life	2 years when properly stored

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