

Certificate of Analysis

Product: Manganese Sulfate Monohydrate

Item Number: C5190

Grade: ACS

Lot Number: 240402-M

Manufacture Date: 08/23/2023

Expiration Date: 08/22/2028

Country of Origin: United States

Tested Property	Specification	Analysis
Description	Off white to Pink Powder	Pink Powder
Assay	98.0 - 101.0%	99.2%
Loss on Ignition	10.0 - 12.0%	10.7%
Substances reducing KMnO ₄	To Pass Test	Passes
Insoluble matter	≤0.01%	0.008%
Chloride	≤0.005%	0.001%
Calcium	≤0.005%	0.003%
Magnesium	≤0.005%	0.004%
Nickel	≤0.02%	0.001%
Potassium	≤0.01%	0.001%
Sodium	≤0.05%	0.001%
Zinc	≤0.005%	0.001%
Heavy Metals as Pb	≤0.002%	0.001%
Iron	≤0.002%	0.002%

Manganese Sulfate Monohydrate

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