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# Certificate of Analysis

<b>Product</b>	<b>78822 - Manganese (II) Sulphate Monohydrate extrapure AR, ACS, ExiPlus, Multi-Compendial, 99% - [10034-96-5]</b>
<b>Batch No</b>	<b>7133741</b>
<b>Analysis Date</b>	25-Jun-2024
<b>Date of Manufacture</b>	June 2024
<b>Expiry Date/Re-Test Date</b>	June 2029
<b>Molecular Formula</b>	MnSO4.H2O
<b>Molecular Weight</b>	169.01

Test Parameters	Standards	Actual Results
ExiPlus	meets compendial specs of USP, BP, Ph.Eur	Passes
Appearance (Colour)	Pink or almost white	Pink
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Assay (EDTA Titration)	min. 99%	99.3%
pH (5% aq. solution)	3.5 - 5.0	4.32
Insoluble matter	max. 0.01%	0.002%
Loss on ignition	10.0 - 12.0%	11.2%
Chloride (Cl)	max. 0.001%	Passes
Iron (Fe)	max. 0.001%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Copper (Cu)	max. 0.0005%	Passes
Oxidising substances	No reaction	No reaction
Substances reducing Permanganate (O)	Passes test	Passes
Substances reducing Iodine (I)	max. 0.01%	Passes
Calcium (Ca)	max. 0.005%	Passes
Magnesium (Mg)	max. 0.005%	Passes
Nickel (Ni)	max. 0.02%	Passes
Potassium (K)	max. 0.01%	Passes
Sodium (Na)	max. 0.05%	Passes

FRM/82/11/4/78822 Rev No. 2 Date 23/07/2022

Prepared by Dnyaneshwar

In compliance with the standard specifications of SRL

Plant Site 2 : H-4, MIDC, Talaja – 410 208, Maharashtra, India

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