



**SISCO
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PVT. LTD.**

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Certificate of Analysis

Product

**31808 - MES Monohydrate Buffer extrapure, 99% -
[145224-94-8]**

Batch No

4653544

Analysis Date

21-Apr-2025

Date of Manufacture

April 2025

Expiry Date/Re-Test Date

April 2030

Molecular Formula

C₆H₁₃NO₄S.H₂O

Molecular Weight

213.25

Test Parameters	Standards	Actual Results
Appearance (Colour)	White	White
Appearance (Form)	Crystalline powder	Crystalline powder
Solubility (Turbidity) 10% aq. solution	Clear	Clear
Solubility (Colour) 10% aq. solution	Colourless	Colourless
Assay (T)	min. 99%	99.6%
pH (10% aq. solution)	3.0 - 3.5	3.13
Sulphated Ash	max. 0.2%	0.1%
Sulphate (SO ₄)	max. 0.01%	Passes
Iron (Fe)	max. 0.0005%	Passes
Heavy Metals (Pb)	max. 0.001%	Passes
Water (KF)	max. 10%	9.3%
Absorbance (A) of 10% aq. solution in a 1cm cell v/s H ₂ O		
@250 nm	max. 0.1	0.006
Smooth curve	230 - 350nm	Passes

FRM/82/11/4/31808 Rev No. 2 Date 01/02/2024

Prepared by **Mayur**

In compliance with the standard specifications of SRL

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

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