

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	MES Monohydrate
FORMULA:	C ₆ H ₁₃ NO ₄ SH ₂ O
BATCH NO.	25/MFM/3192
CAS Number:	145224-94-8
EXP. DATE:	12 th May 2027
STORAGE:	Ambient

TESTS	SPECS	RESULTS
Appearance	White Crystalline Powder	Complies
Assay (Titration)	>= 99.0%	99.6%
Water Content	8.0-8.9%	8.7
Infrared	Complies	Complies
pH 1% Di H ₂ O	3.5 – 4.5 (25°C)	4.2
Solubility 0.1M water	Clear, colourless solution	Complies
Residue on ignition	<= 0.1%	Complies
A ₂₈₀ , 0.5M water	≤0.020	0.019
A ₂₆₀ , 0.5M water	≤0.025	0.025
pKa 25°C	5.9 – 6.3	6.1
Heavy metals (Pb)	<= 5 ppm	Complies

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17th July 2025