

## CERTIFICATE OF ANALYSIS

PRODUCT NAME: MES Monohydrate  
 FORMULA:  $C_6H_{13}NO_4SH_2O$   
 BATCH NO. 25/MFM/3192  
 CAS Number: 145224-94-8  
 EXP. DATE: 12<sup>th</sup> May 2027  
 STORAGE: Ambient

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

This document was generated electronically and is therefore valid without signature.  
 Formedium Ltd products are supplied for Research Purposes only.

17<sup>th</sup> July 2025