

### CERTIFICATE OF ANALYSIS

PRODUCT NAME: MES Monohydrate  
 FORMULA: C<sub>6</sub>H<sub>13</sub>NO<sub>4</sub>SH<sub>2</sub>O  
 BATCH NO. 18/MFM/2208  
 CAS Number: 145224-94-8  
 EXP. DATE: 20 June 2021  
 STORAGE: Ambient

TESTS	SPECS	RESULTS
Appearance	White Crystalline Powder	Complies
Water Content (By KF)	8.0-8.9%	8.3
pH 1% Di H <sub>2</sub> O	3.5 – 4.5 (25°C)	4.4
Solubility 0.1M water	Clear, colourless solution	Complies
Infrared	Complies	Complies
Assay (Titration, Dry Basis)	>= 99.0%	99.6%
A <sub>280</sub> , 0.5M water	≤0.020	0.017
A <sub>260</sub> , 0.5M water	≤0.025	0.024
Residue on ignition	<= 0.1%	Complies
pKa 25°C	5.9 – 6.3	6.0
Heavy metals	<= 5 ppm	Complies

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:



Date: 02 OCT 2018

For and on behalf of  
**FORMEDIUM Ltd, Unit 11**  
**Hunstanton Commercial Park**  
**PE36 5JG, England**

(Authorised Signature)