

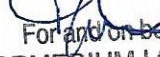
## CERTIFICATE OF ANALYSIS

PRODUCT NAME: MES Monohydrate  
 FORMULA:  $C_6H_{13}NO_4SH_2O$   
 BATCH NO. 19/MFM/2296  
 CAS Number: 145224-94-8  
 EXP. DATE: 10 January 2022  
 STORAGE: Ambient

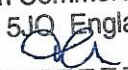
TESTS	SPECS	RESULTS
Appearance	White Crystalline Powder	Complies
Water Content (By KF)	8.0-8.9%	8.2
pH 1% Di H <sub>2</sub> O	3.5 – 4.5 (25°C)	4.4
Solubility 0.1M water	Clear, colourless solution	Complies
Infrared	Complies	Complies
Assay (Titration, Dry Basis)	>= 99.0%	99.6%
A <sub>280</sub> , 0.5M water	≤0.020	0.015
A <sub>260</sub> , 0.5M water	≤0.025	0.024
Residue on ignition	≤ 0.1%	Complies
pKa 25°C	5.9 – 6.3	6.1
Heavy metals	≤ 5 ppm	Complies

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:   
 For and on behalf of  
 FORMEDIUM Ltd, Unit 1B  
 Hunstanton Commercial Park  
 PE36 5JQ, England

Date: 18 MAR 2019

  
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 (Authorised Signature)