

**CERTIFICATE OF ANALYSIS**

PRODUCT NAME: G-418 Sulfate  
 CAS NO. 108321-42-2  
 BATCH NO. 18/MFM/2188  
 MFG. DATE: July 2018  
 EXP. DATE: July 2022  
 STORAGE: Room Temperature

TESTS	SPECS	RESULTS
Description	White Powder	Complies
Solubility (Turbidity)		
100 mg/mL in H <sub>2</sub> O	Clear to very slightly hazy solution	Complies
pH	4.6 to 6.0	5.6
Biological Assay		
- ED50 Resistant:	>= 2500 ug/ml	Conforms
- ED50 Sensitive:	<= 400 ug/ml	Conforms
Absorbance		
1 mg/ml H <sub>2</sub> O :280 nm	< 0.015	Conforms
100 mg/ml H <sub>2</sub> O :570 nm	< 0.10	Conforms
Purity by HPLC	>= 98%	98.28%
Potency (on dry basis)	>= 720 ug/mg	735 ug/mg

\* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:

*[Signature]*  
 For and on behalf of Date: 20 Aug 2018  
 FORMEDIUM Ltd, Unit 1B  
 Hunstanton Commercial Park  
 PE36 5JQ England

*[Signature]*  
 (Authorised Signature)