

CERTIFICATE OF ANALYSIS

PRODUCT NAME: D(+)-Raffinose Pentahydrate
 BATCH NO. 18/MFM/2219
 DATE OF PRODUCTION: April 2018
 DATE OF EXPIRY: April 2021

TESTS	VALUE LIMIT	RESULTS
Appearance	Pale white to white	Complies
Identification	Crystalline powder	Complies
Specific rotation at 20°C 10% (w/v) in distilled water	Deg ml/g 103.0 to 108.0	Complies 105.0
Water Content (Karl Fischer, Methanol)	13.0 to 17.0%	14.4
Ph-value, in dist. Water	5,5 to 7.0	6.9
Melting Point	78° to 82°C	79
Heavy metals determination with AAS or ICP Arsenic	Max 2ppm	<0.1
Content by HPLC	Min 98.0%	98.8%
Sulphated ash	Max 0,10%	0,05
Heavy metals (calc as lead)	<= 10ppm	Complies
Total aerobic count poured plate	Max 1000 per g	<10
Moulds & yeasts per plate	Max 100 per g	<10

* This material is supplied for laboratory use only.

Supplier: Formedium Ltd

Approved by:



Date: 19 OCT 2018

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

(Authorised Signature)