



Version	00
Molecular weight	378.32
Quality Test / Release Date	01/12/2015
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ · 2 H ₂ O
CAS No	6138-23-4
Linear Formula	#
Flash Point (°C)	

Certificate of Analysis

This is to certify that units of the above mentioned lot number were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Acros Organics expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Unless otherwise stated, these products are not intended for dialysis, parenteral, or injectable use without further processing. The following are the actual analytical results obtained:

Catalog Number	18255	Quality Test / Release Date 01/12/2015
Lot Number	A0355194	
Description	D(+)- Trehalose dihydrate, 99%	
Country of Origin	CHINA	
Declaration of Origin	plant	

BSE/TSE comment	
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Chemical Comment	
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Result name	Units	Specifications	Test Value
Appearance		white to off- white crystalline powder	white crystalline powder
Infrared spectrometry		authentic	authentic
Separat. techn. HPLC		≥98.5 %	99.2 %
Heavy metals (as Pb)		≤10 ppm	≤1 ppm
Water		8.5 to 10.5 % (K.F.)	9.7 % (K.F.)
Sulfated ash		≤0.1 %	0.01 %
Appearance of solution		(10% aq. soln.) clear, colorless	(10% aq. soln.) clear, colorless
Specific optical rotation		+177° to +181° (20°C, 589 nm) (c=7, water)	+180° (20°C, 589 nm) (c=7, water)



A handwritten signature in black ink, appearing to read "L. Van den Broek".

L. Van den Broek, QA Manager

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