



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-221494  
Lot Number: SAMPLE  
Product Name: D-Lactitol monohydrate  
CAS Number: 81025-04-9  
Molecular Formula:  $C_{12}H_{24}O_{11} \cdot H_2O$   
Molecular Weight: 362.33

Test	Specification	Result
Appearance	White powder	Complies
Identification (NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	$\geq 99.0\%$ ( with pulsed amperometry)	100.00%
Solubility	Clear colorless solution at 50 mg/ml in water	Complies
Specific Rotation	13.1 - 13.7° (c = 1 in water)	13.1°
Carbon Content	39.38 - 40.18 %	39.80 %
Water Content (KF)	4.00 - 6.00%	6.00%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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