

Specification

Technical Data Sheet

CAS**64044-51-5****STORAGE****Ambient****MOLECULAR WEIGHT****360.32****PRODUCT****Lactose monohydrate 200 mesh IP**

Product number	90033042
CAS number	64044-51-5
Molecular formula	C ₁₂ H ₂₂ O ₁₁ · H ₂ O
Molecular weight	360.32 g/mol

PARAMETER**SPECIFICATION**

Appearance	White powder
Heavy metals	≤5%
Salmonella	Absent
Water	4.5-5.5
Absorbance: proteins and light absorbing impurities at 400 nm	≤0.04%
Absorbance: proteins and light-absorbing impurities from 210 to 220nm	≤0.07%
Absorbance: proteins and light-absorbing impurities from 270 to 300nm	≤0.25%
Appearance of Solution	The solution is clear and not more intensely coloured than the reference solution BYS7
Escherichia coli	Absent
Particle size distribution <100 µm	≤80%
Particle size distribution <32 µm	40-75%
Specific optical rotation	54.4-55.9
Sulphated Ash	≤0.1%

PARAMETER	SPECIFICATION
total fungal count	≤100 cfu/g
Total Microbial Count	≤100 cfu/g
Arsenic (As)	≤1.0%
Identification (IR)	Conforms to Reference
Shigella	Absent

SPECIFICATION STATEMENT	The values stated above represent the standard specification for this product, issued under Molekula Ltd 's quality management system. Batch-specific results are provided on the Certificate of Analysis.
STORAGE	Store as indicated on the product label, away from light, moisture and incompatible materials.

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