

Specification

Technical Data Sheet

CAS**64044-51-5****STORAGE****Ambient****MOLECULAR WEIGHT****360.32****PRODUCT****Lactose monohydrate (Granulac 200)**

Product number	90025742
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 or almost white, crystalline, odourless powder.
Conclusion	Conforms to Ph.Eur.; USP-NF; JP
Heavy metals	≤5µg/g
Identification	Conforms to reference
Loss on Drying	≤0.5%
Salmonella	absence in 10g
Water	4.5 - 5.5 %
Absorbance from 210 to 220 nm	≤0.25
Absorbance from 270 to 300 nm	≤0.07
Appearance of Solution	max 3NTU (the solution is clear)
pH (4.01g in 25ml Di water 15-16°C)	4.66
Solubility	freely but slowly soluble in water, practically insoluble in ethanol (96 per cent)
Specific optical rotation	+54.4 - +55.9 °
Sulphated Ash	≤0.1%
Total Aerobic Count	≤100cfu/g

PARAMETER	SPECIFICATION
Total Yeast & Mould	≤50cfu/g
400nm	≤0.04
Appearance of Solution (EP)	The solution is not more intensely coloured than reference solution BY
E. Coli	absence in 10g
Particle Size Distribution	≤ 32 µm: 45-75%; ≤100µm: ≥ 90%

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.

Molekula Ltd would like to thank you for your support of our products and service.
 Reg No 6879903 VAT GB 744 9721 05