

Certificate of Analysis

β -Lactose

$\leq 30\%$ α -anomer basis, $\geq 99\%$ total lactose basis

Product Number	PSR46562	CAS No.	5965-66-2
Brand	PureSynth	Lot No.	L46562B0225
Molecular Formula	C ₁₂ H ₂₂ O ₁₁	Date of Mfg.	February, 2025
Molecular Weight	342.30 g/mol	Date of Exp.	January, 2028

Test	Specification	Result
Appearance (Color)	White to Off White	White
Appearance (Form)	Powder	Powder
Turbidity (100 mg/ml, H ₂ O)	Clear	Clear
Assay (By GC) Total lactose	$\geq 99.0\%$	99.99 %
Impurity (by Enzymatic)	NMT 0.05 %	0.01 %
IR Spectrum	Conforms to Structure	Conforms

Condition: Store at room temperature and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

Approved By
Head - Technical

This is a computer-generated report - does not require sign

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