

PRODUCT IDENTITY

PRODUCT NAME	α-Lactose monohydrate	PRODUCT NUMBER	L118583
Grades & Purity	for cell culture, ≥98%	VERSION	3
CAS NUMBER	5989-81-1	FORMULA	C ₁₂ H ₂₂ O ₁₁ · H ₂ O
FORMULA WEIGHT	360.31g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
beta lactose	0-2 (%)
Water by Karl Fischer	4-6 (%)
Purity(HPLC)	98-100 (%)
Glucose	0-0.05 (%)
Appearance (L118583)	White to Off-White Powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Solubility,100mg/ml in water	Clear and colorless
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	50-54 (°)