

PRODUCT IDENTITY

PRODUCT NAME	α-Lactose monohydrate	PRODUCT NUMBER	L102286
Grades & Purity	AR, ≥98%(HPLC)	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
Water by Karl Fischer	4-6 (%)
Specific Rotation [α] _{20/D} (c=10 in H ₂ O)	50-54 (°)
Purity(HPLC)	98-100 (%)
Appearance (L102286)	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure
Solubility in H ₂ O , Colorless Clear 100 mg/ml	pass