

PRODUCT IDENTITY

PRODUCT NAME	α-D-Glucose	PRODUCT NUMBER	S170574
Grades & Purity	≥96%	VERSION	3
CAS NUMBER	492-62-6	FORMULA	C ₆ H ₁₂ O ₆
FORMULA WEIGHT	180.16g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Specific Rotation [α] _{20/D} (c=10 in H ₂ O+Base)	49-55 (°)
Purity(HPLC)	96-100 (%)
Water by Karl Fischer	0-1 (%)
Appearance (S170574)	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure