

Product Specification Sheet



Product Code: BIO-1101
Identifier: D-glucose, Anhydrous
Grade: ACS Grade
Appearance: Fine white powder
Molecular Formula: C₆H₁₂O₆
Molecular Weight: 180.16 g/mol
Description: Not Applicable
Storage Condition: Store between 20°C - 25°C. Protect from moisture.
Additional Info: Not Applicable

Assay:	Specification:
Solubility in water	Clear to almost clear
Specific Rotation [α] 20/D	+52.6 - +53.2°
Loss on drying	< 1.0 %
Residue on ignition (sulfate)	< 0.1 %
Acids (as CH ₃ COOH)	< 0.007 %
Chloride (Cl)	< 0.02 %
Sulfate (SO ₄)	< 0.025 %
Heavy metals (as Pb)	< 5 ppm
Arsenic (As)	< 1 ppm
Dextrin, starch and sulfite	PASS

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