



Specification for D-Glucose, Anhydrous, Granular, Reagent, ACS (D1017)

Item Number	D1017
Item	D-Glucose, Anhydrous, Granular, Reagent, ACS
CAS Number	50-99-7
Molecular Formula	C ₆ H ₁₂ O ₆
Molecular Weight	180.20
MDL Number	
Synonyms	

Test	Specification	
	Min	Max
APPEARANCE		
SPECIFIC ROTATION [α] _D	+52.5 to +53.0°	
INSOLUBLE MATTER		0.005 %
LOSS ON DRYING @ 105 C		0.2 %
RESIDUE AFTER IGNITION		0.02 %
TITRATABLE ACID		0.002 meq/g
CHLORIDE (Cl)		0.01 %
SULFATE AND SULFITE (as SO ₄)		0.005 %
STARCH	TO PASS TEST	
HEAVY METALS (by ICP-MS)		5 ppm
IRON (Fe)		5 ppm
EXPIRATION DATE		
DATE OF MANUFACTURE		

Spectrum Chemical Mfg Corp

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