

Specification Sheet

Product Name:	D-(+)-Glucose
Specifications & Purity:	Ultra pure, ≥99.5%
SKU #	G116306

Parameter	Limit Values
Strontium(Sr)	0-0.0005 (%)
(Pb)Lead	0-0.0005 (%)
Chloride Content	0-0.005 (%)
Loss on drying	0-0.1 (%)
Bismuth(Bi)	0-0.0005 (%)
Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in } H_2O:NH_3(2+3) = 99.2:0.8)$	50-54 (°)
Aluminum(Al)	0-0.0005 (%)
Barium(Ba)	0-0.0005 (%)
Purity(HPLC)	99.5-100 (%)
Sulfate(SO ₄ ²⁻)	0-0.005 (%)
Cobalt (Co)	0-0.0005 (%)
(As)Arsenic	0-0.0001 (%)
Ignition Residue (as sulfate)	0-0.1 (%)
Cadmium(Cd)	0-0.0005 (%)
Appearance (G116306)	white powder
Filtration test	corresponds to standard
Infrared spectrum	Conforms to Structure
Insoluble matter	pass
Solubility 1 M in H ₂ O	Colorless, Clear