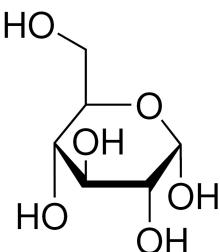


## Product Specification

Product Name :	Dextrose 97.5-102.0% anhydrous basis, meets EP, BP, JP, USP testing specifications
Product Number:	D9434
CAS Number:	50-99-7
MDL Number :	MFCD00063774
Molecular Formula:	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Formula Weight:	180.16 g/mol



Test	Specification
Appearance (Color)	White
Appearance (Form)	Crystals or Crystalline Powder
Water (by Karl Fischer)	≤ 1.0%
Loss on Drying	≤ 0.5%
Arsenic (As)	≤ 1.3ppm
Residue on ignition (Ash)	≤ 0.1%
Soluble Starch, Sulfites	Pass
Dextrin	Pass
Identity	Pass
Acidity	Pass
Chloride <=180 ppm	Pass
Sulfate <=0.024%	Pass
Heavy Metals	< or = 4 ppm
Assay	≥ 99.5%
Clarity & Color of Solution	Pass

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: PRP.00.ZQ5.1159683

Page 1 of 2

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact [mlsbranding@sial.com](mailto:mlsbranding@sial.com)



Product Name: Dextrose  
Product Number: D9434-BULK

Test	Specification
Residual Solvents	Meets Requirements
Conductivity	≤ 20µS/cm
Related Substances	Pass
Assay (Anhydrous Basis)	97.5 - 102.0 %
Specific Rotation (anhydrous) (+)	52.5 - 53.3 °
Recommended Retest Period 6 years	-----

Sigma-Aldrich warrants that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Version Number: PRP.00.ZQ5.1159683

Page 2 of 2

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered. For further information please contact [mlsbranding@sial.com](mailto:mlsbranding@sial.com)

