

Dextrose, Anhydrous, Powder
BAKER ANALYZED® A.C.S. Reagent
(D-glucose, anhydrous)



Material No.: 1916-07
:
Revision No.: 0

Product Specification

Meets ACS Reagent Chemical Requirements,

Test	Specification
Specific Rotation [α] ²⁵ ^D (+)	52.5 – 53.0 °
ACS – Insoluble Matter	≤ 0.005 %
Loss on Drying at 105°C	≤ 0.2 %
Residue after Ignition	≤ 0.02 %
Titration Acid (meq/g)	≤ 0.002
Chloride (Cl)	≤ 0.01 %
Sulfate and Sulfite (as SO ₄)	≤ 0.005 %
Starch	Passes Test
Trace Impurities – ACS – Heavy Metals (as Pb)	≤ 5 ppm
Trace Impurities – Iron (Fe)	≤ 5 ppm
Specific Rotation [α] ²⁵ ^D (+)	52.5 – 53.0 °
ACS – Insoluble Matter	≤ 0.005 %
Loss on Drying at 105°C	≤ 0.2 %
Residue after Ignition	≤ 0.015 %
Solution in Water (50%)(APHA)	≤ 20
Titration Acid (meq/g)	≤ 0.002
Chloride (Cl)	≤ 0.01 %
Sulfate and Sulfite (as SO ₄)	≤ 0.005 %
Starch	Passes Test
Trace Impurities – ACS – Heavy Metals (as Pb)	≤ 5 ppm
Trace Impurities – Iron (Fe)	≤ 5 ppm

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

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Test

Specification

For Laboratory, Research, or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Packaging Site: Paris Mfg Ctr & DC