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Website: www.sigmaaldrich.com

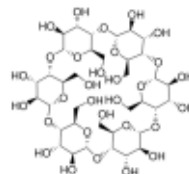
Email USA: techserv@sial.com

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Certificate of Analysis

Product Name:
 α -Cyclodextrin - $\geq 98\%$

Product Number: C4642
Batch Number: SLBK4630V
Brand: SIGMA
CAS Number: 10016-20-3
MDL Number: MFCD00078207
Formula: C₃₆H₆₀O₃₀
Formula Weight: 972.84 g/mol
Quality Release Date: 29 MAY 2014
Recommended Retest Date: MAY 2018



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless	Colorless
Solubility (Turbidity) 10 mg/mL, H ₂ O	Clear	Clear
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	$\leq 14.5\%$	9.3 %
Specific Rotation (anhydrous) (C = 1 in H ₂ O at 25 deg C)	147 - 152 °	147 °
Purity (HPLC)	$\geq 98\%$	98 %



Rodney Burbach, Manager
Analytical Services
St. Louis, Missouri US

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.