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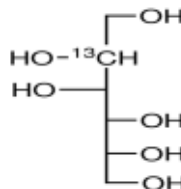
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

D-Mannitol-2-¹³C - 99 atom % ¹³C

Product Number: 591424
Batch Number: MBBB9765V
Brand: ALDRICH
CAS Number: 287100-69-0
Formula: 13CC5H14O6
Formula Weight: 183.16 g/mol
Quality Release Date: 01 JUL 2016



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Purity (HPLC)	≥ 99.0 %	99.8 %
Carbon NMR Spectrum	Conforms	Conforms
Proton NMR Spectrum	Conforms	Conforms
¹³ C Enrichment	≥ 99.0 %	99.0 %

Greg Abernathy, QC Supervisor
Quality Assurance
Miamisburg, Ohio 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.