

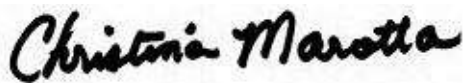
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Certificate of Analysis

Product Description: Methyl-alpha-D-mannopyranoside
Catalog Number: 153937
Lot: M5292**Formula:** C₇H₁₄O₆
CAS #: 617-04-9
Physical Description: White Crystalline Powder**Formula Weight:** 194.2
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	~99%	99.91%
FTIR	Conforms to Standard	Conforms to Standard
Melting Point	187 - 197°C	193 - 195 °C
Loss on Drying	<0.5%	0.35%
Optical Rotation (c=1, water)	+76° to +85°	+79.65°

Heavy Metals: <20 ppm

10/30/2012 - Christina Marotta
MP Biomedicals, LLC.
Technical DirectorThis is an electronically generated document
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