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Certificate of Analysis

Catalogue Number	31375
Lot Number	002034-20190618
Product	Mannose triflate 1,3,4,6-Tetra-O-Acetyl-2-O-(trifluoromethanesulfonyl)- β -D-
CAS Number	92051-23-5
Molecular Formula	C ₁₅ H ₁₉ F ₃ O ₁₂ S
Molecular Weight	480.36

Appearance	White or almost white crystalline powder
Appearance of Solution	Clear solution
Melting Point	118.5 - 120.5 °C
Heavy Metals	< 10 ppm
Optical Rotation	[α] ²⁰ _D = -14.5 °
Infrared Spectrum	Conforms to structure
Loss on Drying	0.3%
Residual Solvents	Chloroform : < 0.006% Dichloromethane : < 0.06% Ethanol : < 0.5% Diethylether : < 0.5%
Related Substances	Impurity A : 0.15% Impurity B : 0.08% Any other impurity : 0.06% Total impurity : 0.66%
Residue On Ignition	0.05%
¹H NMR	Conforms to structure
Assay by titration	99.34% (On dried basis)
Storage	Store at \leq -20 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager