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Certificate of Analysis

Catalogue Number 27965
Product **D-Allose**

Lot Number 001684-201560203
 β -D-Allopyranose

CAS Number 2595-97-3
Molecular Formula C₆H₁₂O₆

Molecular Weight 180.16

Appearance White crystals or powder
Appearance of Solution Dissolve 0.5 g in 10 mL of water and the solution should be clear.
Solubility Easily soluble in water, insoluble in ether.
Heavy Metals < 20 ppm
Optical Rotation [α]_D = +14.5° (C=5 in 5h in H₂O)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Residue On Ignition 0.05%
¹H NMR Conforms to structure
Assay 98.8%
Purity by TLC > 99% (One spot)
Storage Store at 0-8 °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