



Certificate of Analysis

D-Turanose

Catalog Number: TR1005
Lot Number: 0416801
CAS Number: 547-25-1
Synonym(s): 3-O- α -D-Glucopyranosyl-D-fructose
Molecular Formula: C₁₂H₂₂O₁₁
Molecular Weight: 342.30
Storage: 15°C – 30°C
Date of Manufacture: January 12, 2017
Retest Date: January 11, 2020

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Purity (by HPLC)	≥ 99%	> 99%
Identification (FTIR)	To match reference spectra	Conforms
Specific Rotation [α] _D ²⁰ (c=4, H ₂ O)	+75° to 77°	+76.9°
Heavy Metals	≤ 10 ppm	< 1ppm
Melting Point	175°C to 177°C	175.9°C

Approved by:

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