



Specification

D-Turanose

Catalog Number: TR1005
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
Retest Period: Three years from date of manufacture.

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

Approved:

Date: August 14, 2019

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