



SPECIFICATION

2-Deoxy-D-glucose

Product Code:	MD05187
CAS Number:	154-17-6
Chemical Formula:	$C_6H_{12}O_5$
Molecular Weight:	164.16

TECHNICAL SPECIFICATION

Appearance:	White to off-white crystals	
Purity (HPLC):	min 98%	
Purity (TLC) (EtOAc:MeOH, 6:1):	One spot	
Specific optical rotation $[\alpha]_D$	$+46.0 \pm 2^\circ$	²⁰ (c=1, H ₂ O, after 24hrs):
Water content (Karl Fischer):	max 1%	
Identity (¹ H NMR):	Conforms to structure	
Residue on ignition:	max 1%	