



SPECIFICATION

D-Raffinose pentahydrate

Product Code:	OR06197
Synonyms:	1,6-a-D-Raffinose pentahydrate
CAS Number:	17629-30-0
Chemical Formula:	$C_{18}H_{32}O_{16} \cdot 5H_2O$
Molecular Weight:	594.51

TECHNICAL SPECIFICATION

Appearance:	White powder	
Assay (HPLC):	min 98%	
Purity (TLC):	One spot	
Specific optical rotation $[\alpha]_D$	+103 to +107	²⁰ (c=10, H ₂ O):
Water content (Karl Fischer):	15 ± 1%	
Sulphated ash on dry basis:	max 0.1%	
Melting point:	78 - 80°C	