

TC 018 – D – RAFFINOSE (PENTAHYDRATE)

REF NO: TBL/QA/SS/LC/TC 018	STANDARD SPECIFICATION FOR D – RAFFINOSE (PENTAHYDRATE)	Rev. No: 03
Issue No: 04		Review Date: 16/03/2025
Issue Date: 17/03/2022		Product code: TC 018

PRODUCT PROPERTIES

C.A.S Number	17629-30-0
Chemical Formula	C ₁₈ H ₃₂ O ₁₆ .5H ₂ O
Formula weight	594.52
Functional Uses	D-(+)-Raffinose pentahydrate may be used as a standard for the determination of free sugars of plants for separating the trimethylsilyl ethers by gas chromatography method.
Standard Packaging	10gm, 25gm

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White colour powder.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Chloride (Cl)	NMT – 0.005%
Sulphate (SO ₄)	NMT – 0.005%
Iron (Fe)	NMT – 0.0005%
Heavy Metal (Pb)	NMT – 0.0005%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

