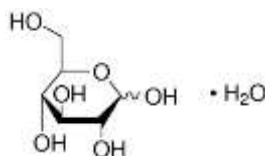


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

DEXTROSE MONOHYDRATE AR

Glucose Monohydrate



Product Code	O-5265	Grade	Analytical Reagent
Purity	-	CAS No	77938-63-7
Molecular Formula	C ₆ H ₁₂ O ₆ ·H ₂ O	Molecular Weight	198.17 g/mol
H.S.Code	9802.0000	Shelf Life	60 Months

Physical Properties

Physical state	powder	Colour	White
Melting point	83°C	Solubility in water	1.000 g/l at 20 °C
pH	6 - 7 at 100 g/l at 20 °C	Partition coefficient: n-octanol/water	log Pow: -3,29

Packaging

500 gram

Specification

Appearance	White powder or crystalline powder
Specific optical rotation ([α] _{20/D} ; 10% in water, on anhydrous substance)	+52.5° to +53.2°
Insoluble matter	max 0.005 %
Residu after ignition	max 0.05 %
Chloride (Cl)	max 0.005 %
Sulphate (SO ₄)	max 0.01 %
Sulphite (as SO ₂)	passes test
Starch	passes test
Arsenic (As)	max 0.00005 %
Heavy metal (as Pb)	max 0.0005 %
Iron (Fe)	max 0.0005 %
Water	7.5 - 9.5 %

Safety Information and Hazard Symbols

NO GHS

Symbol: not available

Signal Word: not available

UN No.: not available

IMCO Class No.: not available

Packing Group: not available

Hazardous Statement: not available

Precaution Statement: not available