Product Information

GRM017 Lactose monohydrate

Product Number		Packing
GRM017	:	500G
GRM017	:	5KG

Product Information

Product Code	:	GRM017
Product Name	:	Lactose monohydrate
Synonym	:	Milk sugar
Molecular Formula	:	$C_{12}H_{22}O_{11}.H_2O$
Molecular Weight	:	360.32
CAS No.	:	64044-51-5
EC No.	:	200-559-2
HS Code	:	1702 11 00
Shelf Life	:	4 years

Technical Specification

Appearance	:	White to off-white crystals or powder
Solubility	:	100 mg soluble in 1 mL of water
Clarity	:	10% aqueous solution in boiling water is colourless and clear.
Specific rotation	:	+54.4° to +55.9° (c = 10% in water/NH_3 at 25°C)
Melting range	:	210 - 220°C (dec.)
Water (K.F.)	:	4.50 - 5.50%
Heavy metals (as Pb)	:	<= 0.0005%
Sulphated ash	:	<= 0.1%
Assay (GC/HPLC)	:	min. 99.50%

Risk and Safety Information

WGK	:	3
Storage Temperature(°C)	:	Store below 30°C

Transport Information

Marine Pollutant	:	No
ADR/RID	:	Not Dangerous Goods
IMDG	:	Not Dangerous Goods
IATA	:	Not Dangerous Goods

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