

Lactose monohydrate, Cell Culture Tested

TC144

Product Identifier

CAS No.	:	64044-51-5
EC No.	:	200-559-2
Molecular Formula	:	$C_{12}H_{22}O_{11} \cdot H_2O$
Molecular Weight	:	360.31
Synonym	:	Milk sugar
HS Code	:	1702 11 10
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to cream crystals or powder or solid
Solubility	:	100 mg soluble in 1 mL of water
Specific rotation	:	+54.4° to +55.9° (c = 10% in water/NH ₃ at 20°C, on anhydrous basis)
Water (K.F.)	:	4.00 - 6.00%
Assay (GC/HPLC)	:	min. 99.00%
Cell Culture Test	:	Passes

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	Not available
WGK	:	1