

Lactose

GDT auction

PRODUCT DESCRIPTION: Lactose is a carbohydrate derived from milk suitable for standard food applications. It fulfills international quality standards such as CODEX for lactose, ensuring food safety at all times.

- PRODUCT APPLICATION:**
- Milk formula
 - Beverages
 - Confectionery
 - Culinary
 - Fine bakery

- PROPERTIES:**
- Meets CODEX requirements for lactose
 - High purity and uniform chemical composition
 - Fine and homogeneous particle size distribution
 - Non hygroscopic and free flowing powder properties – small breakable soft lumps may occur
 - The product is available in Kosher, Halal, and vegetarian

CHEMICAL SPECIFICATIONS	Unit	Specification		Frequency of analysis	Analytical method
		Min.	Max.		
Protein as is (Nx6.38)	%		0.2	Per batch	ISO 8968-3:2004(E)/IDF 20-3:2004
Lactose monohydrate as is	%	99.0		Per batch	Polarimetric method
Sulphated ash	%		0.3	Per batch	European Pharmacopeia method 7.2 (Method 2.4.14 Sulphated ash)
Moisture at 87°C	%		0.2	Per batch	Free water method
Total water	%		5.2	Monitoring	Karl Fisher method
Riboflavin	mg/100g		0.5	Per batch	HPLC, En 14152

PHYSICAL SPECIFICATIONS	Unit	Specification		Frequency of analysis	Analytical method
		Min.	Max.		
pH (10% sol.)		5.0	7.0	Per batch	155/ISO5546 2nd ed. 2010-06-01
Scorched particles		Equal to A		Per batch	ADPI 916:2002 50g dry powder
Bulk density				Monitoring	IDF 134:2005 / ISO 8967:2005, 625 stamp
- 100 mesh	g/cm ³	0.8	1.0		
- 200 mesh	g/cm ³	0.7	0.9		
Solubility index (10% sol.)		Clear		Per batch	Method to be defined
Colour		White/Cream		Per batch	Comparison to reference sample
Flavour/odour		Free from foreign odours and flavours		Per batch	Comparison to reference sample
Taste		Free from foreign taste		Per batch	Comparison to reference sample
Appearance		Free flowing powder		Per batch	Comparison to reference sample

