



Specification for Lactose, Monohydrate, Spray-Dried Powder, NF (LA105)

Item Number	LA105
Item	Lactose, Monohydrate, Spray-Dried Powder, NF
CAS Number	64044-51-5
Molecular Formula	C ₁₂ H ₂₂ O ₁₁ •H ₂ O
Molecular Weight	360.31
MDL Number	
Synonyms	4-O-β-Galactopyranosyl-D-glucose ; Milk Sugar

Test	Specification	
	Min	Max
CLARITY AND COLOR OF SOLUTION		0.04
SPECIFIC ROTATION [α] _D	+54.4° +55.9°	
ACIDITY OR ALKALINITY		0.4 ml
WATER DETERMINATION	4.5	5.5 %
MICROBIAL LIMITS:		
TOTAL AEROBIC MICROBIAL COUNT (TAMC)		10 ² cfu/g
TOTAL MOLDS AND YEASTS		5X10 ¹ cfu/g
TEST FOR ESCHERICHIA COLI	NEGATIVE	
LOSS ON DRYING		1.0 %
RESIDUE ON IGNITION		0.1 %
PROTIEN AND LIGHT ABSORBING	AS REPORTED	
@210 - 220 nm		0.25 nm
@270 - 300 nm		0.07 nm
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	Rf MATCHES STANDARD	
CERTIFIED KOSHER-DAIRY		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	

Spectrum Chemical Mfg Corp

Corporate Headquarters: West Coast Facility:

769 Jersey Ave.	14422 S. San Pedro St.
New Brunswick, NJ 08901	Gardena, CA 90248
732.214.1300	310.516.8000