

Item Number	LA106
Item	Lactose, Monohydrate, Powder, NF
CAS Number	64044-51-5
Molecular Formula	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> •H <sub>2</sub> 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		TO PASS TEST
SPECIFIC ROTATION [α] <sub>D</sub>	+54.4° to+55.9°	
ACIDITY / ALKALINITY		TO PASS TEST
WATER DETERMINATION	4.5	5.5 %
MICROBIAL LIMITS:		
TOTAL AEROBIC MICROBIAL COUNT		10 <sup>2</sup> cfu/g
TOTAL MOLDS AND YEASTS		5x10 <sup>1</sup> cfu/g
TEST FOR E. COLI	NEGATIVE	
LOSS ON DRYING		0.5 %
RESIDUE ON IGNITION		0.1 %
PROTEIN & LIGHT-ABSORBING IMPURITIES		TO PASS TEST
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION		TO PASS TEST
CERTIFIED KOSHER-DAIRY		
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
APPEARANCE		
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		

**Spectrum Chemical Mfg Corp**

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