



**Specification for Lactose, Monohydrate, NF, EP, BP, JP,
bioCERTIFIED(TM) (L9010)**

Item Number	L9010
Item	Lactose, Monohydrate, NF, EP, BP, JP, bioCERTIFIED(TM)
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	TO PASS TEST	
SPECIFIC ROTATION, [α] _D 20	+54.4° to +55.9°	
ACIDITY OR ALKALINITY	TO PASS TEST	
WATER DETERMINATION	4.5	5.5%
LOSS ON DRYING		0.5 %
RESIDUE ON IGNITION		0.1 %
PROTEIN AND LIGHT-ABSORBING IMPURITIES		TO PASS TEST
HEAVY METALS		5 ppm
ELEMENTAL IMPURITIES		AS REPORTED
MICROBIAL LIMITS		
ENDOTOXIN		2.5 EU/g
TOTAL AEROBIC MICROBIAL COUNT		100 cfu/g
TOTAL MOLDS AND YEASTS		10 cfu/g
ESCHERICHIA COLI (in 10 g)		Negative
SALMONELLA (in 50 g)		Negative
IDENTIFICATION		TO PASS TEST
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

Spectrum Chemical Mfg Corp

Corporate Headquarters: West Coast Facility:

732.214.1300

310.516.8000