

PRODUCT SPECIFICATION

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Catalog : L1037

Lactose, Monohydrate, BiotechGrade

CAS# : 64044-51-5

Formula : C₁₂H₂₂O₁₁[H₂O]

Formula Weight : 360.31

Test	Limit	
	Min.	Max.
APPEARANCE	FINE, WHITE CRYSTALLINE POWDER	
CLARITY AND COLOR OF SOLUTION	TO PASS TEST	
SPECIFIC ROTATION [α] _D	+54.4° to +55.9°	
ACIDITY / ALKALINITY	TO PASS TEST	
WATER	4.5 - 5.5%	
INSOLUBLE MATTER	--	0.005%
LOSS ON DRYING @ 80[dC	--	0.5%
RESIDUE ON IGNITION	--	0.1%
IRON (Fe)	--	5 PPM
HEAVY METALS	--	5 PPM
PROTEIN & LIGHT-ABSORBING IMPURITIES	TO PASS TEST	
ENDOTOXIN BY LAL	AS REPOPRTED	
MICROBIAL LIMITS:		
TOTAL AEROBIC MICROBIAL COUNT	--	100/G
TOTAL MOLDS AND YEASTS	--	50/G
TESTS OF SALMONELLA SPECIES AND E. COLI	NEGATIVE	
IDENTIFICATION	TO PASS TEST	