

Item Number	LA103
Item	Anhydrous Lactose, NF
CAS Number	63-42-3
Molecular Formula	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Molecular Weight	342.30
MDL Number	
Synonyms	4-O-β-Galactopyranosyl-D-glucose ; Milk Sugar ; Anhydrous Lactose

Test	Specification	
	Min	Max
APPEARANCE		
CLARITY AND COLOR OF SOLUTION	LESS THAN REFERENCE	
SPECIFIC ROTATION [α] <sub>D</sub>	+54.4 to+55.9	
ACIDITY or ALKALINITY		0.4 ml
MICROBIAL LIMITS:		
TOTAL AEROBIC MICROBIAL COUNT (TAMC)		10 <sup>2</sup> CFU/g
TOTAL YEAST AND MOLD COUNT (TYMC)		50 CFU/g
ESCHERICHIA COLI	ABSENT	
RESIDUE ON IGNITION		0.1 %
PROTEIN & LIGHT-ABSORBING IMPURITIES		
210 - 220 nm		0.25
270 - 300 nm		0.07
LOSS ON DRYING		0.5 %
WATER DETERMINATION		1.0 %
ELEMENTAL IMPURITIES	AS REPORTED	
IDENTIFICATION (A)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION (B)	R <sub>f</sub> CORRESPONDS TO STANDARD	
CERTIFIED HALAL		
EXPIRATION DATE		
DATE OF MANUFACTURE		
MONOGRAPH EDITION		
RESIDUAL SOLVENTS		AS REPORTED

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