

Certificate of Analysis

Item No.	11003400
Batch No.	20240430
Quantity	1000kg
Manufacturing Date	Apr.30, 2024
Expire Date	Apr.29, 2026
Date of Analysis	May.04, 2024

SpecKare® LBA

(Lactobionic Acid)

Items	Specification	Results
Appearance	White or almost white crystalline powder	White crystalline powder
Identification	-By IR: Positive -By TLC: Positive	Positive Positive
Specific optical rotation	+23° ~ +29°	+26.7°
Solubility	Freely soluble in water, slightly soluble in glacial acetic acid, anhydrous ethanol and in methanol	Freely soluble in water, slightly soluble in glacial acetic acid, anhydrous ethanol and in methanol
Appearance of solution	The solution is clear & not more intensely coloured than reference solution	The solution is clear & not more intensely coloured than reference solution
pH (10%)	1.0-3.0	2.5
Calcium	≤500ppm	<500ppm
Chloride	≤500ppm	<500ppm
Sulfate	≤500ppm	<500ppm
Iron	≤100ppm	<100ppm
Reducing sugars	≤0.2%	<0.2%
Water Content	≤5.0%	3.8%

Assay	98.0%-102.0%	100.3%
Total Ash	≤0.1%	0.08%
Endotoxin Level	≤10 EU/g	Complies
Lead	≤10 mg/kg	< 10 mg/kg
Arsenic	≤2 mg/kg	< 2 mg/kg
Mercury	≤1 mg/kg	< 1 mg/kg
Cadmium	≤5 mg/kg	< 5 mg/kg
Total plate count	≤1000 cfu/g	Complies
Yeast & mould	≤100 cfu/g	Complies
Salmonella	Negative	Negative
E.coli	Negative	Negative
Pseudomonas	Negative	Negative

 Q.C. Manager: *Cindy*

 Inspector: *Xiang*
