



Sophix Natural
And Agro Products Ltd
RC-1615742

Importers and dealers of
- Natural and Organic Oils
- Essential Oils
- Natural Powders
- Clays, etc
- Agro Products
- General Contracts

Certificate of Analysis

Product Name	Sodium Lactate (solution)		
INCI Name:	SODIUM LACTATE		
CAS	72-17-3		
MF	C3H5NaO3		
EINECS	200-772-0		
Batch Number	20260609	Manufacture Date	20260609
Report Date	20260609		

Items Tested	Specifications	Results	Test Method
Physical and Chemical Analysis			
Appearance	Oranoleptic indicator Colorless or yellowish	Complies	Organoleptic examination
Taste& Odor	Odorless or slightly with a special smell	Odorless	Organoleptic examination
Shape	Slightly viscous clarifying liquid	Slightly viscous clarifying liquid	Organoleptic examination
Total sodium lactate content	47.5%-55.0%	50.3%	HPLC
L- sodium lactate in total sodium lactate content	≥95%	99.3%	HPLC
Chroma (APHA)	≤150	50	APHA scale
PH	6.5-7.5	7.1	pH meter
Chloride	≤0.05%	<0.05%	Titration
Sulfate	≤0.005%	<0.005%	Turbidimetry
Citrate, oxalate, phosphate or tartrate	Pass-test	Pass-test	Qualitative test
Reduce Sugar	Pass-test	Pass-test	Qualitative test
Physical Characteristics			
Loss on Drying	≤ 5.00%	3.64%	USP <731> / Ph.Eur. 2.2.32
Total ash	≤ 5.00%	2.84%	USP<561>
Heavy Metals (ICP-MS)			
Lead (Pb)	≤ 10 ppm	<0.5 ppm	ICP-MS
Arsenic (As)	≤ 2 ppm	<0.1 ppm	ICP-MS
Cadmium (Cd)	≤ 1 ppm	<0.1 ppm	ICP-MS
Mercury (Hg)	≤ 1 ppm	<0.05 ppm	ICP-MS
Microbial Limits			
Total Aerobic Microbial Count	≤ 1000 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
Total Yeast and Mold Count	≤ 100 CFU/g	<10 CFU/g	USP <61> / Ph. Eur. 2.6.12
E. coli	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13
Salmonella spp.	Absent in 10g	Absent	USP <62> / Ph. Eur. 2.6.13
Pseudomonas aeruginosa	Absent in 1g	Absent	USP <62> / Ph. Eur. 2.6.13

Quality Statement: This product is manufactured under a quality system compliant with cGMP principles for both food and cosmetic applications. Specifications and test methods are established with reference to the relevant ISO Standards, Chinese National Standards (GB), United States Pharmacopeia (USP), and European Pharmacopoeia (Ph. Eur.).

For cosmetic use, the batch fully complies with the requirements of EU Cosmetic Regulation (EC) No 1223/2009, China's Safety Technical Standards for Cosmetics (2015 Edition), and U.S. FDA cosmetic GMP guidelines. For food use, the batch meets the applicable requirements of China's national food safety standards (including GB 2762, GB 2763, GB 7101) and the U.S. FDA Food Safety Modernization Act (FSMA) and applicable food additive regulations.

Storage: Store in tight, light-resistant containers. Avoid exposure to direct sunlight, moisture, and excessive heat.

Shelf Life: 24 months if stored under the above conditions and remains in original packaging.



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