

CERTIFICATE OF ANALYSIS

PRODUCT	LACTIC ACID 85% FOOD GRADE	QUANTITY	75MT
		BATCH NO	L2206051087
MANUFACTURE DATE	June 2022	EXPIRY DATE	June 2024

THE RESULT OF INSPECTION:

Product code	JD-BLA-01	
Product name	Buffered Lactic Acid Food Grade	
Chemical name	Lactic acid buffered with sodium lactate(60/20)	
CAS number	Lactic Acid: 79-33-4, 50-21-5 (general) Sodium Lactate: 867-56-1, 72-17-3 (general)	
EU food additives number	Lactic Acid E270 Sodium Lactate E325	
Description	Produced by fermentation, the product is a mixture of lactic acid and sodium lactate, it is a waterclear or slightly yellowish, syrupy and hygroscopic liquid with slightly agreeable odor.	
CONTENT	SPECIFICATIONS	TEST RESULT
Density (at 20°C)	1.24-1.26g/mL	1.25g/mL
pH (20% fresh aqueous solution)	6.5-7.5	7.2
Color	Max 50APHA	25APHA
Stereochemical purity (L-isomer)	Min 95%	97.8%
Total content	78.0-82.0%	80.2%
Lactic acid content	59.0-61.0%	60.1%
Sodium lactate content	19.0-21.0%	20.1%
ph value	2.5-3.5	2.8
Chloride	50ppm	< 50ppm
Sulphate	20ppm	< 20ppm
Total heavy metals	Max 10ppm	< 10ppm
Lead	Max 2ppm	< 2ppm
Arsenic	Max 1ppm	< 1ppm
Mercury	Max 1ppm	< 1ppm