

**HENAN JINDAN LACTIC ACID TECHNOLOGY CO., LTD**

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CERTIFICATE OF ANALYSIS

DATE: FEB. 23, 2023

MANUFACTURER	HENAN JINDAN LACTIC ACID TECHNOLOGY CO., LTD	QUANTITY	24MT
PRODUCT	LACTIC ACID 88% EXCELLENT GRADE	BATCH NO	L2302230422
MANUFACTURE DATE	FEB. 23, 2023	EXPIRY DATE	FEB. 22, 2025

THE RESULT OF INSPECTION:

Product code	JD-LA88-02	
Chemical name	L-(+)-Lactic Acid, (S)-2-hydroxy- propanoic acid	
CAS Number	79-33-4 ; 50-21-5 (general CAS number)	
EU food additive number	E270	
Description	The lactic acid, produced by fermentation, is slight yellowish to colorless, syrupy and hygroscopic liquid with slightly acid odor. The product is GRAS.	
Chemical formula	C ₃ H ₆ O ₃	
Molecular weight	90.08	
CONTENT	SPECIFICATIONS	TEST RESULT
Stereochemical purity(L-isomer)	Min 97%	98.9%
Content	Min 88%	88.1%
Color, fresh	Max 50APHA	20APHA
Sulphate	Max 10ppm	< 10ppm
Chloride	Max 10ppm	< 10ppm
Sulphated ash	Max 0.05%	< 0.05%
Iron	Max 10ppm	< 10ppm
Total heavy metals	Max 10ppm	<10ppm
Lead	Max 0.5ppm	< 0.5ppm
Arsenic	Max 1ppm	< 1ppm
Mercury	Max 1ppm	< 1ppm
Cyanide	Max 1ppm	< 1ppm
Limit of Citric, Oxalic, Phosphoric and Tartaric Acid	Passes test	Passed test
Reducing sugars	Passes test	Passed test

Remarks:

- 1.) 1ppm = 1mg/kg = 0.0001%
- 2.) Sulphated ash = Residue on ignition

河南金丹乳酸科技股份有限公司
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