

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

19C, Lianmeng International Business Tower,

No. 125 Huanghe Road, Zhengzhou, Henan, China

Tel: +86 371-60136136 Fax: +86 371-60136138

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CERTIFICATE OF ANALYSIS

DATE: NOV 25 , 2018

MANUFACTURER	HENAN JINDAN LACTIC ACID TECHNOLOGY CO., LTD	QUANTITY	20MTS
PRODUCT	LACTIC ACID 80% HEATSTABLE	BATCH NO	L1811251295
MANUFACTURE DATE	NOV. 25, 2018	EXPIRY DATE	NOV. 25, 2020

THE RESULT OF INSPECTION:

Product code	JD-LA80-03	
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%	97.5%
Content	Min 80%	80.1%
Color, fresh	Max 50APHA	30APHA
Color, after 2 hours heating at 200° C	Max 50APHA	40APHA

Factory Add: No. 08 Jindan Avenue, Dancheng, Henan, China

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Sulphates	Max 10ppm	< 10ppm
Chlorides	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 USP test	Passed USP test
Reducing sugars	Passes USP test	Passed USP test
Readily carbonizable substances	Passes USP test	Passed USP test

Remarks:

- 1.) 1ppm = 1mg/kg = 0.0001%
- 2.) Sulphated ash = Residue on ignition
- 3.) This product complies with USP 28.

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