

PREMIUM INGREDIENT CO.,LTD

Dongsheng Rd, Jiangyin City, Jiangsu Province, China 214437

CERTIFICATE OF ANALYSIS

COMMODITY: DL-MALIC ACID

QUANTITY: 2000KGS

BATCH NUMBER: 2010006

DATE OF MANUFACTURE: Oct.03.2020

EXPIRY DATE: Oct.02.2022

PACKAGE NUMBER: 80BAGS

RESULTS OF INSPECTION

REPRESENTATIVE SAMPLES WERE TAKEN FROM THIS LOT OF GOODS FOR QUALITY INSPECTION WITH THE RESULTS AS FOLLOWS:

CHARACTERS: WHITE CRYSTAL POWDER OR CRYSTALLINE GRAINS POWDER

MALATE TEST: POSITIVE

<u>ITEM</u>	<u>CONFORMS</u>	<u>RESULT</u>
ASSAY (%)	99.0-100.5	99.5
SPECIFIC ROTATION	-0.1 -- +0.1	0
MELTING RANGE (°C)	127-132	129
WATER INSOLUBLES (%)	MAX 0.1	0.006
SULPHATED ASH (%)	MAX 0.1	0.07
FUMARIC ACID (%)	MAX 1.0	0.64
MALEIC ACID (%)	MAX 0.05	0.02
HEAVY METALS PPM	MAX10	<10
ARSENIC PPM	MAX2	<2
LEAD PPM	MAX 2	< 2
MERCURY PPM	MAX1	<1
IDENTIFICATION TEST	IR ABSORPTION	COMFORMED

CONCLUSION: THIS LOT OF GOODS IS IN CONFORMITY WITH THE REQUIREMENTS OF E296/FCC9.

ANALYST: WANGXIAOFENG

INSPECTOR: SHI YONG