

MANUFACTURER:

TTCA CO.,LTD.

NO.27,XIN AN NAN ROAD,ANQIU,SHANDONG,CHINA



CERTIFICATE OF ANALYSIS

BATCH NO.: M411729

MANUFACTURING DATE:NOV.2024

EXPIRY DATE: NOV.2027

QUANTITY: 78MT/3120BAGS

AC20250529RAD

RODUCT NAME:

CITRIC ACID MONOHYDRATE 8-40 MESH

CAS NO.: 5949-29-1

MOLECULAR FORMULA: C₆H₈O₇•H₂O

DATE:

NOV. 22, 2024

INVOICE NO.:

TTCA2423193/2423322

THIS IS TO CERTIFY THAT THE ANALYSIS RESULT OF THE GOODS IS AS FOLLOWS:

NO.	ITEM	BP 2023	E330	USP 46	EP 11.0	FCC 13	TTCA ANALYSIS RESULT
1	CHARACTERS	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	/	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL
2	IDENTIFICATION	PASS TEST	PASS TEST	PASS TEST	PASS TEST	PASS TEST	PASS TEST
3	ODOR	/	/	/	/	/	ODORLESS
4	CLARITY AND COLOUR OF SOLUTION	PASS TEST	/	PASS TEST	PASS TEST	/	PASS TEST
5	ASSAY	99.5-100.5 %	≥99.50 %	99.5-100.5 %	99.5-100.5 %	99.5-100.5 %	99.8 %
6	MOISTURE	7.5-9.0 %	≤8.8 %	7.5-9.0 %	7.5-9.0 %	≤8.8 %	8.58%
7	SULPHATED ASH	≤0.1 %	≤0.05 %	≤0.1 %	≤0.1 %	≤0.05 %	0.02 %
8	SULPHATE	≤150 ppm	/	≤150 ppm	≤150 ppm	/	<20 ppm
9	OXALATE	≤360 ppm	≤100 ppm	≤360 ppm	≤360 ppm	≤25 ppm	<20 ppm
10	CALCIUM	/	/	/	/	/	<20 ppm
11	CHLORIDE	/	/	/	/	/	<5 ppm
12	READILY CARBONIZABLE SUBSTANCES	NOT EXCEEDING STANDARD	NOT EXCEEDING STANDARD	NOT EXCEEDING STANDARD	NOT EXCEEDING STANDARD	A ≤ 0.52 T% ≥ 30	K ≤ 1.0
13	ALUMINIUM	≤0.2 ppm	/	≤0.2 ppm	≤0.2 ppm	/	<0.2 ppm
14	ARSENIC	/	≤ 1ppm	/	/	/	<0.1ppm
15	MERCURY	/	≤1 ppm	/	/	/	<0.1 ppm
16	LEAD	/	≤0.5 ppm	/	/	≤0.5 ppm	<0.5 ppm
17	TRIDODECYLAMINE	/	/	/	/	≤0.1ppm	<0.1ppm
18	BACTERIAL ENDOTOXINS	≤0.5 IU/mg	/	PASS TEST	≤0.5 IU/mg	/	<0.5 IU/mg

CONCLUSION:THE PRODUCT IS IN CONFORMITY WITH BP2023, E330, USP46, EP11.0, FCC13.

(STAMP)

山东柠檬生化有限公司

TTCA Co., Ltd.