

# CERTIFICATE OF ANALYSIS

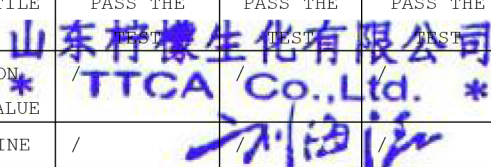
BATCH NO.:M003814  
 MANUFACTURE DATE:MAR.25,2023  
 EXPIRY DATE:MAR.24,,2026  
 QUANTITY:600BAGS/15MTS

PRODUCT NAME: CITRIC ACID MONOHYDRATE

DATE:  
 MAR.27,2023

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

NO	ITEM	BP2017	E330	USP35	EP8.0	FCC 7	ANALYSIS RESULT	TTCA ENTERPRISE SPEC
1	CHARACTERISTICS	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL
2	IDENTIFICATION TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST
3	CLARITY & COLOUR OF SOLUTION	20%WATER SOLUTION CLARITY	/	PASS THE TEST	PASS THE TEST	/	20% WATER SOLUTION CLARITY	20% WATER SOLUTION CLARITY
4	ASSAY	99.5-100.5%	≥99.5	99.5-100.5%	99.5-100.5%	99.5-100.5%	99.90	99.50-100.5
5	MOISTURE	7.5-9.0%	≤8.8%	7.5-9.0%	≤8.8%	/	8.55%	≤8.8%
6	SULPHATED ASH	≤0.05%	≤0.05%	≤0.1%	≤0.1%	≤0.05%	0.03%	≤0.05
7	SULPHATE	≤150ppm	/	≤150ppm	≤150ppm	/	<20ppm	<30
8	OXALATE	≤100ppm	≤100ppm	≤360ppm	≤360ppm	NO TURBIDITY FORMS	<20ppm	<20
9	CALCIUM	≤200ppm	/	/	/	/	<20ppm	<10
10	HEAVY METALS	≤5ppm	≤5ppm	≤10ppm	≤10ppm	/	<1ppm	<3
11	IRON	<50ppm	≤50				<1ppm	<2
12	CHLORIDE	≤50ppm	/	/	/	/	<5ppm	<30
13	READILY CARBURETED SUBSTANCE	STANDARD COLOUR	NOT EXCEEDING THE STANDARD	NOT EXCEEDING THE STANDARD	NOT EXCEEDING THE STANDARD	A≤0.52 T≥30	LESS THAN STANDARD COLOUR	LESS THAN STANDARD COLOUR
14	BARIUM	PASS THE TEST	/	/	/	/	PASS THE TEST	PASS THE TEST
15	ALUMINIUM	≤0.2ppm	/	≤0.2ppm	≤0.2ppm	/	≤0.2ppm	≤0.2
16	ARSENIC	≤1.0ppm	≤1.ppm	/	/	/	<0.1ppm	<0.5
17	MERCURY	≤1.0ppm	≤1.ppm	/	/	/	<0.1ppm	<0.1
18	LEAD	≤0.5ppm	≤1.ppm	/	/	<0.5ppm	<0.5ppm	<0.5
19	BACTERIAL ENDOTOXIN	≤0.5 IU/MG	/	PASS THE TEST	≤0.5 IU/MG	/	≤0.5 IU/MG	<0.5
20	ORGANIC VOLATILE IMPURITY	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST
21	U.V. RADIATION ABSORPTION VALUE	/	/	/	/	/	PASS THE TEST	PASS THE TEST
22	TRIDODECYLAMINE	/	/	/	/	/	<0.1ppm	<0.1


  
**TTCA Co., Ltd.**

CONCLUSION:THE QUALITY OF THE ABOVE SAID COMMODITY IS IN CONFORMITY WITH STANDARD