

**CERTIFICATE OF ANALYSIS****PRODUCT NAME:** CITIC ACID MONOHYDRATE**DATE:** APR.11,2020**MANUFACTURER:**

TTCA CO., LTD.

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

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**BATCH NO.:** M0047012**INVOICE NO.:****MANUFACTURING DATE:** APR.2020**EXPIRY DATE:** APR.2023**QUANTITY:**

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

NO.	ITEM	BP2018	E330	USP41	EP8.0	FCC7	ANALYSIS RESULT
1	DESCRIPTION	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	/	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE YSTAL
2	IDENTIFICATION	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST
3	ODOR	/	/	/	/	/	ODORLESS
4	LIGHT TRANSMITTANCE	/	/	/	/	/	≥97.0%
5	CLARITY&COLOUR OF SOLUTION	PASS THE TEST	/	PASS THE TEST	PASS THE TEST	/	PASTHE TEST
6	ASSAY	99.5-100.5%	≥99.50%	99.5-100.5%	99.5-100.5%	99.5-100.5%	99.87%
7	MOISTURE	7.5-9.0%	≤8.8%	7.5-9.0%	7.5-9.0%	≤8.8%	8.60%
8	SULPHATED ASH	≤0.1%	≤0.05%	≤0.1%	≤0.1%	≤0.05%	0.02%
9	SULPHATE	≤150ppm	/	≤150ppm	≤150ppm	/	<20ppm
10	OXALATE	≤36pm	≤100ppm	≤360ppm	≤360ppm	NO TURBIDITY FROMS	<20ppm
11	CALCIUM	/	/	/	/	/	<20ppm
12	HEAVY METALS	≤10ppm	≤5ppm	≤10ppm	≤10ppm	/	<1ppm
13	CHLORIDE	/	/	/	/	/	<5ppm
14	READILY CARBONIZABLE SUBSTANCES	NOT EXCEEDING THE STANDARD	NOT EXCEEDING THE STANDARD	T EXCEEDING THE STANDARD	NOT EXCEEDING THE STANDARD	A≤0.52 T≥30	K≤1.0
15	ALUMINIUM	≤0.2ppm	/	≤0.2ppm	≤0.2ppm	/	<0.2ppm
16	ARSENIC	/	≤1ppm	/	/	/	<1ppm
17	MERCURY	/	≤1ppm	/	/	/	<0.1ppm
18	LEAD	/	≤1ppm	/	/	≤0.5ppm	<0.5ppm
19	TRIDODECYLAMINE	/	/	/	/	≤0.1ppm	<0.1ppm
20	BACHERIAL ENDOTOXINS	≤0.5IU/mg	/	PASS THE TEST	≤0.5IU/mg	/	<0.5IU/mg
21	WATER INSOLUBLE SUBSTANCES	/	/	/	/	/	FILTRATION TIME NOT MORE THAN 1MIN; FILTER MEMBRANE DOESN'T BASICALLY CHANGE COLOR, VISUAL MOTTLED PARTICLES NOT MORE THAN 3

(STAMP)

山东柠檬生化有限公司  
\* TTCA Co., Ltd. \*