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CERTIFICATES OF ANALYSIS

BATCH NUMBER:A003005  
PRODUCTION DATE:MAR.2020  
EXPIRY DATE:MAR.2023  
QUANTITY:5000BAGS/125MTS

PRODUCT NAME:CITRIC ACID ANHYDROUS

DATE:  
MAR.12,2020

INVOICE NO.:  
TTCA2003192

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

NO.	ITEM	BP2011	E330	USP24	FCC7	ANALYSIS RESULT
1	CHARACTERISTICS	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	COLORLESS OR WHITE CRYSTAL	WHITE CRYSTAL
2	IDENTIFICATION	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST	PASS THE TEST
3	LIGHT TRANSMITTANCE	/	/	/	/	298%
4	CLARITY&COLOUR OF SOLUTION	PASS THE TEST	/	PASS THE TEST	/	PASS THE TEST
5	ASSAY	99.5-100.5%	≥99.50%	99.5-100.5%	99.5-100.5%	99.80%
6	MOISTURE	≤1.0%	≤0.5%	≤1.0%	≤0.5%	0.08%
7	SULPHATED ASH	≤0.1%	≤0.05%	≤0.1%	≤0.05%	<0.01%
8	SULPHATE	≤150ppm	/	≤150ppm	/	<10ppm
9	OXALATE	≤360ppm	≤100ppm	≤360ppm	NO TURBIDITY FORMS	<20ppm
10	CALCIUM	/	/	/	/	<10ppm
11	HEAVY METALS	≤10ppm	≤5ppm	≤10ppm	/	<1ppm
12	IRON	/	/	/	/	<1ppm
13	CHLORIDE	/	/	/	/	<5ppm
14	READILY CARBURETED SUBSTANCES	STANDARD COLOUR	STANDARD COLOUR	STANDARD COLOUR	STANDARD COLOUR	LESS THAN STANDARD COLOUR
15	BARIUM	PASS THE TEST	/	/	/	PASS THE TEST
16	BACTERIAL ENDOTOXINS	≤0.5IU/mg	/	PASS THE TEST	/	<0.5IU/mg
17	ALUMINIUM	≤0.3ppm	/	≤0.3ppm	/	<0.2ppm
18	ARSENIC	/	≤1ppm	/	/	<1ppm
19	MERCURY	/	≤1ppm	/	/	<0.1ppm
20	LEAD	/	≤1ppm	/	≤0.5ppm	<0.5ppm
21	TRIDODECYLAMINE	/	/	/	≤0.1ppm	<0.1ppm
22	ODOR	ODORLESS				PASS THE TEST
23	WATER INSOLUBLE SUBSTANCES	/	/	/	/	FILTRATION TIME NOT MORE THAN 1MIN; FILTERED MEMBRANE DOESN'T BASICALLY CHANGE COLOR, VISUAL MOTTLED PARTICLES NOT MORE THAN 3

CONCLUSION: THIS BATCH IS IN CONFORMITY WITH BP2011/E330, USP 24 AND FCC.

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山东天泰生化有限公司  
TTCA CO., LTD.

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