

MANUFACTURER: TTCA CO., LTD. NO.27, XIN AN NAN ROAD, ANQIU, SHANDONG,CHINA		 CERTIFICATE OF ANALYSIS					
BATCH NO.: S410010 MANUFACTURING DATE: OCT.2024 EXPIRY DATE: OCT.2027 QUANTITY: 26MT		PRODUCT NAME: TRI-SODIUM CITRATE DIHYDRATE 20-100 MESH					
		CAS NO.: 6132-04-3		MOLECULAR FORMULA: C ₆ H ₅ Na ₃ O ₇ •2H ₂ O			
		DATE: NOV.08,2024		INVOICE NO.: TTCA2419391			
THIS IS TO CERTIFY THAT THE ANALYSIS RESULT OF THE GOODS IS AS FOLLOWS:							
NO.	ITEM	BP 2023	E331	USP 46	EP 11.0	FCC 9	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	LIGHT TRANSMITTANCE	/	/	/	/	/	≥95 %
4	ODOR	/	/	/	/	/	ODORLESS
5	CLARITY&COLOUR OF SOLUTION	PASS TEST	/	/	PASS TEST	/	PASS TEST
6	ASSAY	99.0-101.0 %	≥99.0 %	99.0-100.5 %	99.0-101.0 %	99.0-100.5 %	99.8%
7	MOISTURE	11.0-13.0 %	≤13.5 %	10.0-13.0 %	11.0-13.0 %	10.0-13.0 %	11.52 %
8	ACIDITY OR BASICITY	PASS TEST	PASS TEST	PASS TEST	PASS TEST	PASS TEST	PASS TEST
9	SULPHATE	≤150 ppm	/	/	≤150 ppm	/	<20 ppm
10	OXALATE	≤300 ppm	≤100 ppm	/	≤300 ppm	/	<20 ppm
11	CALCIUM	≤50 ppm	/	/	/	/	<20 ppm
12	HEAVY METALS	/	≤5 ppm	/	/	/	<1 ppm
13	IRON	/	/	/	/	/	<5 ppm
14	CHLORIDE	≤50 ppm	/	/	≤50 ppm	/	<5 ppm
15	READILY CARBURETED SUBSTANCES	NOT EXCEEDING STANDARD	/	/	NOT EXCEEDING STANDARD	/	K≤1.0
16	TARTRATE	/	/	PASS TEST	/	/	PASS TEST
17	PYROGEN	PASS TEST	/	/	PASS TEST	/	PASS TEST
18	PH (5%)	/	/	/	/	7.5-9.0	7.6-8.9
19	ARSENIC	/	≤1 ppm	/	/	/	<0.1 ppm
20	MERCURY	/	≤1 ppm	/	/	/	<0.1 ppm
21	LEAD	/	≤1 ppm	/	/	≤2ppm	<0.5 ppm
22	WATER INSOLUBLE SUBSTANCES	/	山东柠檬生化有限公司			/	PASS TEST
TTCA Co., Ltd. CONCLUSION:THE PRODUCT IS IN CONFORMITY WITH BP2023, E330, USP46, EP11.0 ,FCC9 . (STAMP)							