

CERTIFICATE OF ANALYSIS

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COUNTRY OF ORIGIN CHINA
VESSEL AND VOYAGE JONATHAN SWIFT/0XL2ZS1MA/0XL2ZS
PORT OF LOADING PORT OF DISCHARGE QINGDAO, CHINA CONSTANTA, ROMANIA

PRODUCT NAME	QUANTITY	MANUFACTURE DATE	ANALYSIS DATE	BATCH NO.	EXPIRY DATE
CITRIC ACID MONOHYDRATE	20 MT	2023.05	2023.05	M305705	2026.05

ANALYSIS RESULT

ITEM	TEST METHOD	STANDARDS	ANALYSIS RESULTS
CHARACTERS	FCC	COLOURLESS TRANSLUCENT CRYSTALS OR AS WHITE, FINE, CRYSTALLINE POWDER	COLOURLESS TRANSLUCENT CRYSTALS OR AS WHITE, FINE, CRYSTALLINE POWDER
IDENTIFICATION&SOLUBILITY	EP	PASS TEST	PASS TEST
CLARITY&COLOR OF SOLUTION	BP	PASS TEST	PASS TEST
CONTENT	BP	99.5~100.5%	99.70%
MOISTURE	FCC	7.5~8.8%	8.69 %
OXALIC ACID	FAO/WHO CCFAS VOL.4	≤100MG/KG	<100MG/KG
SULPHATE	BP	≤150PPM	<20PPM
READILY CARBONISABLE SUBSTANCES	FCC	ABS≤0.52, TRA≥30%	ABS <0.52, TRA >30%
RESIDUE ON IGNITION (SULPHATED ASH)	FCC	≤0.05%	0.01 %
HEAVY METALS	BP	≤10PPM	<1PPM
ARSENIC	IP	≤1MG/KG	<0.1MG/KG
LEAD	FCC	≤0.5MG/KG	<0.5MG/KG
MERCURY	E330	≤1MG/KG	<0.1MG/KG
ALUMINIUM	BP	≤0.2PPM	<0.2PPM
BACTERIAL ENDOTOXINS	BP	≤0.5IU/MG	<0.5IU/MG
ISOCIRIC ACID (RELATIVE SUBSTANCES)	JSFA	PASS TEST	PASS TEST
POLYCYCLIC AROMATIC HYDROCARBON	JSFA	PASS TEST	PASS TEST
TRILAURYLAMINE	FCC	≤0.1MG/KG	<0.1MG/KG
STERILITY	USP	PASS TEST	PASS TEST
BARIUM	IP	PASS TEST	PASS TEST
CALCIUM	IP	≤200PPM	<10PPM
IRON	IP	≤50PPM	<1PPM
CHLORIDE	IP	≤50PPM	<5PPM

CONCLUSION: THE QUALITY OF THIS BATCH CONFORMS WITH ALL REQUIREMENTS OF BP/EP/USP/FCC/E330/IP/JSFA/FAO/WHO CCFAS Vol.4 WHEN TESTED ACCORDING TO THESE COMPENDIA

