

ORIGINAL

CERTIFICATE OF ANALYSIS

RE.INV. NO.: SSE13475

DATE: SEP.12, 2017

COMMODITY: CITRIC ACID ANHYDROUS FCCVIII/USP FINE GRANULAR 30-100MESH

BATCH NO.:AA-1708-3220

NUMBER:50LB/BAG×880BAGS=19.9584MT

ANALYSIS DATE:SEP.01,2017

MANUFACTURING DATE: AUG.28,2017

EXPIRY DATE: AUG.27,2020

Item	Unit	STANDARD DATA	ACTUAL DATA
CHARACTERS	---	WHITE CRYSTALLINE POWDERS,COLORLESS CRYSTALS OR GRANULES	PASS TEST
IDENTIFICATION (A,B)	---	PASS TEST	PASS TEST
COLOR & CLARITY OF SOLUTION	---	PASS TEST	PASS TEST
ASSAY	%	99.5-100.5	100.09
WATER	%	≤0.5	0.18
HEAVY METALS	PPM	≤5	1
OXALATE	PPM	≤100	30
SULPHATE	PPM	≤150	45
CALCIUM	PPM	≤20	5
SULPHATE ASH	%	≤0.05	0.01
READILY CARBONISABLE SUBSTANCES	---	PASS TEST	PASS TEST
ALUMINUM	PPM	≤0.2	0.15
ARSENIC	PPM	≤1	0.1
LEAD	PPM	≤0.5	0.2
BACTERIAL ENDOTOXINS	I.U./MG	≤0.5	0.35
STERILITY	%	PASS TEST	PASS TEST
RESIDUE ON IGNITION	%	≤0.05	0.04
CHLORIDE	PPM	≤50	1
IRON	PPM	≤50	1
SOLUTION COLOR	---	80 APHA MAX	40
ORGANIC VOLATILE IMPURITY	---	PASS TEST	PASS TEST
TRIDODECYLAMINE	PPM	≤0.1	0.01

CONCLUSION: THE QUALITY OF THIS LOT OF GOODS CONFORMING WITH THE STANDARD FCC8/USP36.

BBFY PO NO.: 17167

FDA REGISTRATION:17666026948

บริษัท ชันชาย ไบโอเทค อินเตอร์เนชั่นแนล จำกัด
SUNSHINE BIOTECH: ๒๖๖๖๐๒๖๙๔๘ จำกัด

CERTIFICATE OF ANALYSIS

ORIGINAL

RE. INV. NO.: SSE13530

DATE: DEC.04, 2017

COMMODITY: CITRIC ACID ANHYDROUS FCCVIII/USP FINE GRANULAR
30-100MESH

BATCH NO.: AA-1710-3308

NUMBER: 50LB/BAG × 880BAGS = 19.9584MT

ANALYSIS DATE: OCT.27,2017

MANUFACTURING DATE: OCT.23,2017

EXPIRY DATE: OCT.22,2020

Item	Unit	STANDARD DATA	ACTUAL DATA
CHARACTERS	---	WHITE CRYSTALLINE POWDERS, COLORLESS CRYSTALS OR GRANULES	PASS TEST
IDENTIFICATION (A,B)	---	PASS TEST	PASS TEST
COLOR & CLARITY OF SOLUTION	---	PASS TEST	PASS TEST
ASSAY	%	99.5-100.5	100.13
WATER	%	≤0.5	0.17
HEAVY METALS	PPM	≤5	1
OXALATE	PPM	≤100	30
SULPHATE	PPM	≤150	45
CALCIUM	PPM	≤20	5
SULPHATE ASH	%	≤0.05	0.01
READILY CARBONISABLE SUBSTANCES	---	PASS TEST	PASS TEST
ALUMINUM	PPM	≤0.2	0.15
ARSENIC	PPM	≤1	0.1
LEAD	PPM	≤0.5	0.2
BACTERIAL ENDOTOXINS	I.U./MG	≤0.5	0.35
STERILITY	%	PASS TEST	PASS TEST
RESIDUE ON IGNITION	%	≤0.05	0.04
CHLORIDE	PPM	≤50	1
IRON	PPM	≤50	1
SOLUTION COLOR	---	80 APHA MAX	40
ORGANIC VOLATILE IMPURITY	---	PASS TEST	PASS TEST
TRIDODECYLAMINE	PPM	≤0.1	0.01

CONCLUSION: THE QUALITY OF THIS LOT OF GOODS CONFORMING WITH
THE STANDARD FCC8/USP36.

BBFY PO NO.: 17192

FDA REGISTRATION: 17666026948

บริษัท ชันซาย ไบโอเทค อินเตอร์เนชั่นแนล จำกัด
SUNSHINE BIOTECH INTERNATIONAL CO., LTD