

CERTIFICATE OF ANALYSIS

RE. INV. NO.: SSE10422

DATE: MAR.16,2012

COMMODITY: CITRIC ACID ANHYDROUS FCC/USP GRANULAR 8-40MESH
LOT NUMBER.:AA-1202-1091 NUMBER:50LB/BAGX800BAGS=18144KGS
ANALYSIS DATE: FEB.20, 2012 MANUFACTURING DATE:FEB.19, 2012
EXPIRY DATE: FEB.18, 2015

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	99.68
WATER	%	≤0.5	0.35
HEAVY METALS	PPM	≤5	2
OXALATE	PPM	≤360	70
SULPHATE	PPM	≤150	20
CALCIUM	PPM	≤20	8
SULPHATE ASH	%	≤0.05	0.02
READILY CARBONISABLE SUBSTANCES	---	PASS TEST	PASS TEST
ALUMINUM	PPM	≤0.2	0.02
ARSENIC	PPM	≤1	0.1
LEAD	PPM	≤0.5	0.2
BACTERIAL ENDOTOXINS	I.U./MG	PASS TEST	PASS TEST
ORGANIC VOLATILE IMPURITY	---	PASS TEST	PASS TEST
STERILITY	%	PASS TEST	PASS TEST
RESIDUE ON IGNITION	%	≤0.05	0.03
CHLORIDE	PPM	≤50	10
IRON	PPM	≤1	0.5
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 FCC7/USP34.

PO NO.CAA-120801-024&025&028&029