

TATE & LYLE

TATE AND LYLE AMERICAS LLC
1421
LEWIS & MICHAEL INC
3935 IMAGE DRIVE
DAYTON OH 45414

Certificate of Analysis

Supplier's Shipment Date
00/00/0000

Truck/Trailer/Container

Delivery Item
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Order Item

Customer Number Customer Reference No
C1421

Material Our Reference / Your Reference
2800000115021 CITRIC ACID ANH FINE B0050L BP /

Produced by : 1110 PL: Tate & Lyle Dayton 5600 Brentlinger Dr 45414 Dayton OH US

Batch : DA18B00017 / Quantity : 28.000 BAG Internal Ref field :

Production Date : 02-FEB-18 Best Before Date : 01-FEB-23

Inspection Lot : 890000169034

Parameter	Value	Lower Limit	Upper Limit	Method
CLARITY OF SOLUTION(NTU)	0.5		3	Turbidity - TN20932
WATER INSOLUBLES	Pass	Pass	-	Insolubles - TN20943
APPEARANCE	Pass	Pass	-	Appearance - TN20550
ARSENIC(ppm)	< 1		1	Arsenic - TN20560
ASSAY(%)	99.76	99.5	100.5	Citric - TN20565
COLOR OF SOLUTION	Pass	Pass	-	Color - TN20598
HEAVY METALS(ppm)	< 5		5	Heavy Metals as Lead - TN20630
IDENTITY	Pass	Pass	-	Citric Identity - TN20640
LEAD, FCC(ppm)	< 0.5		0.5	Lead by AA - TN20680
WATER(%)	0.07		0.5	Moisture - TN20700
ON US#30 (600µm)(%)	0.1		1	Particle Size - Gradex TN20745G
THRU US#100 (150µm)(%)	1		5	Particle Size - Gradex TN20745G
LIMIT OF OXALIC ACID(ppm)	13		100	Oxalate - TN20740
RED CARB SUB	Pass	Pass	-	Readily Carbonizable Substances- TN20875
ORGANIC VOLATILE IMPURITIES	Complies	Complies	-	OVI – TN20730
TRIDODECYLAM(ppb)	13		100	Tridodecylamine - TN20880
TASTE	Complies	Complies	-	Sensory Evaluation - TN20922
ODOR	Complies	Pass	-	Odor - TN20882
SULFATE(ppm)	< 30		150	Sulfate - TN20905
RESIDUE ON IGNIT(%)	< 0.05		0.05	Sulfated Ash - TN20910

TATE & LYLE

When a parameter is not mentioned or when no result is entered for a parameter, Tate & Lyle certifies that the product contained in this shipment meets all of the requirements of the contractually agreed upon specification.

This product meets the requirements of the current FCC, USP, BP, EP, FB, JP, FEUM, E-330.

David Snell
Quality Assurance Manager

A handwritten signature in black ink, appearing to read 'David Snell', written in a cursive style.