Cargill

Certificate of Analysis

EDDYVILLE IA US 1001 CARGILL, INCORPORATED 17540 MONROE WAPELLO RD EDDYVILLE IA 52553 USA

Ship to:

Material:

100002299

TSC DIHYD FN 50LB BG 6132-04-3 KH USP

FC

Customer Product Code:

SF50 TRISODIUM CITRATE 50LB.

Batch:

Date of Manufacture:

05/10/2015

Best When Used By Date:

05/08/2020

Characteristic	Result	Unit of Measure	Min	Max	Method
6 Retained on U.S. 30 Sieve	0.0	%	0.0	1.0	
6 Through U.S. Sieve 100	2.0	%	0.0	10.0	
Evaluation of InSolubles	Pass				No Excessive Physical Matter (Cargill)
Assay w/w%	99.1	%	99.0	100.5	USP/FCC
oss on Drying/Moisture	12.2	%	10.0	13.0	USP/FCC
Н	8.6	pН	8.0	9.1	5% Solution (Cargill)
Alkalinity	Typical				Passes Tests (USP/FCC)
Readily Carbonizable Substances	Typical				Not Darker than Std Y2&GY2 (EP)
Odor	Typical				
artrate	Typical				Meets USP Test
dentification Tests	Typical				Passes Tests (USP/FCC)
Appearance	Typical				White Granules
Arsenic	Typical	ppm		2.0	JP
Heavy Metals	Typical	ppm		10	USP
Oxalate	Typical	ppm		300.00	BP/EP
Gulfates	Typical	ppm		150	BP/EP
Chlorides	Typical	ppm		50	BP/EP
ead	Typical	mg/kg		2	FCC

The analysis of Cargill's Trisodium Citrate Dihydrate meets the current monograph specifications of the USP, FCC,EP,BP and DAB. Product held for more than 5 years should be reevaluated for fitness of use.

Results listed as typical or identified with an asterisk (*) are not tested on each batch, have not been tested on the listed batch, and represent values or ranges normally found in this material.

This COA was generated electronically. If you have any questions concerning this document, please feel free to contact Cargill at the number listed below.

Cargill

Certificate of Analysis

EDDYVILLE IA US 1001
CARGILL, INCORPORATED
17540 MONROE WAPELLO RD
EDDYVILLE IA 52553
USA

Ship to:

Material:

100002299

TSC DIHYD FN 50LB BG 6132-04-3 KH USP

FC

Customer Product Code:

SF50 TRISODIUM CITRATE 50LB.

Batch:

Date of Manufacture:

05/13/2015

Best When Used By Date:

05/11/2020

Characteristic	Result	Unit of Measure	Min	Max	Method
% Retained on U.S. 30 Sieve	0.0	%	0.0	1.0	
% Through U.S. Sieve 100	2.2	%	0.0	10.0	
Evaluation of InSolubles	Pass				No Excessive Physical Matter (Cargill)
Assay w/w%	99.8	%	99.0	100.5	USP/FCC
Loss on Drying/Moisture	12.2	%	10.0	13.0	USP/FCC
рΗ	8.2	pН	8.0	9.1	5% Solution (Cargill)
Alkalinity	Typical				Passes Tests (USP/FCC)
Readily Carbonizable Substances	Typical				Not Darker than Std Y2&GY2 (EP)
Odor	Typical				
Tartrate	Typical				Meets USP Test
dentification Tests	Typical				Passes Tests (USP/FCC)
Appearance	Typical				White Granules
Arsenic	Typical	ppm		2.0	JP
Heavy Metals	Typical	ppm		10	USP
Oxalate	Typical	ppm		300.00	BP/EP
Sulfates	Typical	ppm		150	BP/EP
Chlorides	Typical	ppm		50	BP/EP
Lead	Typical	mg/kg		2	FCC

The analysis of Cargill's Trisodium Citrate Dihydrate meets the current monograph specifications of the USP, FCC,EP,BP and DAB. Product held for more than 5 years should be reevaluated for fitness of use.

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