



ARCHER DANIELS MIDLAND COMPANY

ARCHER-DANIELS-MIDLAND COMPANY
4666 FARIES PARKWAY
DECATUR IL 62526-0000
MANUFACTURE LOC: SOUTHPORT, NC

CERTIFICATE OF ANALYSIS

Sample

CITRIC ACID USP ANHYDROUS FINE GRANULAR

(ADM PRODUCT CODE 020420)

SHIPTO:

SOLDTO:

SHIPMENT INFORMATION:

CONTAINER/LOT #:

LOAD/MFG DATE:

ADM ORDER #:

LOT CODE:

SHIP DATE:

CORDNO:

CONTAINER CODE: OH 50# BAG

BEST BY DATE:

WEIGHT/QUANTITY:

PRODUCT ANALYSIS:

TEST	RESULT	UNIT	LIMIT	REFERENCES
IDENTIFICATION	PASSES TEST		(X) PASSES TEST	USP/FCC
ASSAY	100.00	%	(-) 99.5 - 100.5%	USP/FCC
WATER	0.06	%	(-) < 0.5%	USP
RESIDUE ON IGNITION	< 0.05%		(X) < 0.05%	USP/FCC
READILY CARBONIZABLE SUBSTANCES	PASSES TEST		(-) PASSES TEST	USP/FCC
LIMIT OF OXALIC ACID	< 0.036%		(X) < 0.036%	USP
HEAVY METALS	< 5MG/KG		(X) < 5MG/KG	USP/FCC
LEAD	< 0.5MG/KG		(X) < 0.5MG/KG	FCC
SULFATE	PASSES TEST		(X) < 0.015%	USP
ON USS 30 MESH	0.2	%	(-) < 3%	ADM
MESH, % THROUGH #100	0.2	%	(-) < 5%	ADM
CLARITY OF SOLUTION	PASSES TEST		(-) PASSES TEST	USP
COLOR OF SOLUTION	PASSES TEST		(-) PASSES TEST	USP
OXALATE	CONFORMS		(X) CONFORMS	FCC

TESTING FREQUENCY: (-) PER LOT; (X) MONTHLY

PRODUCT GUARANTEES:

USP-NF/FCC (EXCIPIENT/FOOD USE ONLY)

* THIS PRODUCT COMPLIES WITH PH EUR, BP, USP, FCC, JP, E330 & FAO/WHO FOOD ADDITIVE SPECIFICATIONS. IT OCCURS AS COLORLESS TRANSLUCENT CRYSTALS OR AS A WHITE, GRANULAR TO FINE CRYSTALLINE POWDER. IT IS ESSENTIALLY ODORLESS AND HAS A STRONG ACID TASTE.

* PRODUCT IS MANUFACTURED AT ADM SOUTHPORT, NC