



# ADM SPECIALTY INGREDIENTS CERTIFICATE OF ANALYSIS

758543

PRODUCT DESCRIPTION: CITRIC ACID ANHYD FG  
USP FCC

ADM PRODUCT CODE: 020420  
CUSTOMER PRODUCT CODE:

LOT NUMBER: S111104

COPC: 9535

CUSTOMER PO #: 223235

SHIP DATE: 12/05/11  
SHIPPED FROM: SOUTHPORT, NC  
TRAILER/CAR NUMBER:  
ADM ORDER NUMBER: 981703  
INVOICE NUMBER:

MANUFACTURE DATE: 11/10/11 TEST DATE: 11/10/11  
BEST BY DATE: 11/10/14  
CONTAINER CODE: OH QUANTITY SHIPPED: 750 QTY  
DESC: 50# BAG  
NET WEIGHT: 37,500.000 #

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

ITEM IDENTIFICATION	RESULT PASSES TEST	LIMIT (X) PASSES TEST	REFERENCE 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	0.7 %	(-) < 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) WEEKLY

SHALENE REECE  
QA SUPERINTENDENT

IMPORTANT: All information provided is believed to be accurate and complete. The data provided is representative of the product quality on the date of analysis for the lot number indicated. This certificate of analysis may not include all of the constituents of the product. Persons using this information should make their own determination regarding its suitability for their particular application. This certificate of analysis shall not in any way limit or preclude the operation and effect of the applicable terms and conditions of sale.