

CERTIFICATE OF ANALYSIS

21 JAN 2019

Material Description: Eastman(TM) Cellulose Acetate (CA 398-10NF/EP), 49.8 KG (110 LB)
, Drum
Customer Order :
Outbound Delivery :
Shipper Sales Order :
Ship Date : 21 JAN 2019
Batch / Lot :
Cust.Material No :
Vehicle No :

Characteristic	Value	Lower Limit	Upper Limit
NF Acetyl, %	39.8	39.3	40.3
NF Loss on Drying, W%	0.7		5.0
NF Free Acid, W%	0.0		0.1
NF Infrared Identity	PASS		
NF Residue on Ignition, W%	0.0		0.1
NF Residual Solvents	PASS		
ASTM-A Viscosity, sec	9.0	8.0	13.0
EP Salmonella	PASS		
EP TYMC, 10 ² CFU/g, max	PASS		
EP TAMC, 10 ³ CFU/g max	PASS		
EP Escherichia coli	PASS		
Manufacture Date	04/23/2018		

Chemical Name: Cellulose Acetate, NF-EP Grade

CA-398-10NF-EP is a White Powder.

Manufacturing Site: EASTMAN CHEMICAL, TENNESSEE OPERATIONS, EASTMAN ROAD, KINGSPORT TN, 37660, USA

TEST METHOD REFERENCES: SEE SALES SPECIFICATION.

Retest Date: 4 years from the manufacturing date

Methods used for above analysis:

Viscosity=ASTM D 871, Others = USP/NF/EP

NOTE: This document has been reviewed and approved through a secure process.

This product is in compliance with the requirements in USP General Chapters <232> Elemental Impurities, ICH Q3D Guideline for Elemental Impurities and EP Metal Catalyst or

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Metal Reagent Residues

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