

Date: 04/05/2018

Certificate of Analysis

LOT NUMBER:  
261129678099151

Mfg date: 03/19/2018  
 Expiration date: 03/19/2020  
 Customer Code#

Delivery note:

Batch Number: D207I3J013  
 Ship from: THE DOW CHEMICAL COMPANY      FREEPORT      TX UNITED STATES

Manufacturing Location: This product is manufactured in Freeport, Texas and/or Plaquemine, Louisiana

It is hereby certified that the material indicated above has been inspected and tested in accordance with the conditions and requirements of the contract or purchase order and, unless agreed otherwise conforms in all respects to the specification relevant thereto and it meets all requirements of the current United States Pharmacopoeia, current Food Chemical Codex, current European Pharmacopoeia and current Pharmacopoeia of Japan.

Feature	Units	Results		Limits		Method	
		D207I3J013		Minimum	Maximum		
Assay	%	99.95		99.80	----	Current USP	M
Acidity	mL	0.01		----	0.20	Current USP	M
Chlorides	ppm	< 70		----	70	Current USP	M
Heavy Metals	ppm	< 5.0		----	5.0	Current USP	M
Residue on Ignition per 50g	mg	0.29		----	3.50	Current USP	M
Specific Gravity @ 25/25degC	-	1.036		1.035	1.037	Current USP	M
Sulfate	ppm	< 60		----	60	Current USP	M
Water Content	%	0.007		----	0.200	Current USP	
IDENTIFICATION TEST A Identification matches IR scan		Passes				Current USP	M
IDENTIFICATION TEST B Ethylene Glycol		Passes				Current USP	
Diethylene Glycol		Passes				Current USP	
IDENTIFICATION TEST C Identification matches GC scan		Passes				Current USP	
Acidity	mL	0.02		----	0.05	Current EP	M
Boiling Point	degC	185		184	189	Current EP	M
Clarity		Passes				Current EP	M
Color		Passes				Current EP	M
Heavy Metals	ppm	< 5.0		----	5.0	Current EP	M
Melting Point	degC	125		121	128	Current EP	O
Oxidizing Substances 0.05M sodium thiosulfate	mL	0.05		----	0.20	Current EP	M
Reducing Substances		Passes				Current EP	M
Refractive Index @ 20degC	-	1.433		1.431	1.433	Current EP	M
Relative Density @ 20/20degC	-	1.038		1.035	1.040	Current EP	M
Sulfated Ash	%	0.0041		----	0.0100	Current EP	M

For inquiries please contact Customer Service or local sales.

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.