



PETRA CHEMICAL 6400 COLLINSVILLE ROAD EAST SAINT LOUIS IL 62201

Clear Lake, TX Celanese LTD. 9502 Bayport Blvd. PASADENA TX 77507-1498 USA

Certificate of Analysis / PQR

Customer no.: 2197641

Sold-To PO: 804776

Product no.: 51012091

Customer Material ID: 278938

Date: 26 Jul 2018

Delivery item/date: 85759040 000010 / 03 Aug 2018

Delivery item Qty: 192,350.000 LB

Order Item /date: 2026665 000010 / 10 Jul 2018

Carrier. 5000303 UNION PACIFIC RAILROAD CO

Container no.:

GATX029067

Lot no. 50002305609

Characteristic	UoM	Value	Limit
Acetic Acid	%(m)	99.88	min. 99.85
Freezing Point	D.	16.39	min. 16.35
Color	Pt-Co unit	2.8	max. 10.0
Water	% (m)	0.09	max. 0.15
Formic acid	% (m)	0.0021	max. 0.0500
Aldehydes, as Acetaldehyde	% (m)	0.0003	max. 0.0500
Permanganate Time	Hour	> 2	min. 2
Heavy Metals, as Pb	ppm(m)	< 0.5	max. 0.5
Iron	ppm(m)	< 0.10	max. 0.40
Chlorides	ppm(m)	< 0.1	max. 1.0
Sulfates	ppm(m)	< 1.0	max. 1.0
Sulfurous Acid	ppm(m)	< 1.0	max. 1.0
Distillation range	īC	0.7	max. 1.0
Appearance		Clear and free	

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

Quality Inspector

This report is electronically produced and is valid without signature.

The values shown represent testing performed on bulk material and are not shipment-specific, unless indicated with asterisk (*). If you have any questions on quality or weight of this shipment, please call your customer service representative.

Page 1 of 1

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.