

 THE DOW CHEMICAL COMPANY	BRENNTAG MID-SOUTH INC KENNESAW BRANCH 3200 MOON STATION RD KENNESAW GA 30144-2767 Ship From: PLAQUEMINE po/pg PLAQUEMINE Louisiana, United States
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14614
100160

Certificate of Analysis	Customer Information
Product Number 00000360603	Customer Name BRENNTAG MID-SOUTH INC
Product Name PuraGuard™ Propylene Glycol USP/EP	Customer PO number 811422
Delivery No. 813646475 / 000010	Customer Product Code 682951
Order Number 108543168	Container ID DOWX071194
Shipping Units 83279.491 KG	Specification Number 000000133084
Date Shipped 2018-08-10 (YYYY-MM-DD)	
Shipment No. 32707636	

Batch Number	D207I88L05
Seal Number	568848 568849 568998 568999 19778 19779 19788 19789
Expiration Date	2020-08-07 (YYYY-MM-DD)
Manufacturing Date	2018-08-08 (YYYY-MM-DD)
Quantity	83279.491 KG
Net Weight	183600.000 LB
Manufacturing Plant	PLAQUEMINE po/pg
Manufacturer Address	21255 LA HWY 1 South PLAQUEMINE Louisiana 70764-5125

CUSTOMER _____
 PO # _____
 CODE # _____
 * LOT # 144461378239
 BOL # _____

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.

Test	Unit	Lower Limit	Upper Limit	Value	Method
Assay	%	99.80	-	99.94	Current USP
M Acidity	ml	-	0.20	0.02	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	-	3.50	0.76	Current USP
M Specific Gravity @ 25/25degC		1.035	1.037	1.036	Current USP
M Sulfate	ppm	-	60	< 60	Current USP
Water Content	%	-	0.200	0.010	Current USP