



ATLANTA WAREHOUSE

3939 Royal Drive, Ste 224 and 226
Kennesaw, GA 30144

UTAH WAREHOUSE

647 West Billinis Road, Unit 1
Salt Lake City, Utah 84119

Certificate Of Analysis

	499204 Propylene Glycol USP/EP	Customer Order No.	: PO TO BE DECIDED
Batch Number	: BL41117515	Customer Number	: 152134
Vehicle Number	: RACX 51995	Date Shipped	: November 17, 2014
Estimated Quantity	: 188,751 LBS	Lyondell Order No.	: 3570272 000010
		Delivery Item No.	: 86749015 000010

Test Description	Test Result	Specifications		Unit of Measure
		Minimum	Maximum	
Vehicle Type	TANK CAR			
Vehicle ID	RACX 51995			
Lot Number	SEE NOTE / EXPLANATIONS BELOW			
Inspection Lot	1717204			
Manufacturing Date	20141116			
Expiration Date	20161116			
Acidity as acetic acid	0.0007		0.0020	weight %
Appearance	Pass	Pass		
Assay as PG, on a dry basis	99.92	99.90		weight %
PG Retention Time, ID Test C	Pass	Pass		
Chlorides	< 0.5		0.5	ppm
Color, Pt-Co	5		10	APHA Color
Heavy Metals as Pb	< 1		5	weight ppm
Iron	< 0.01		0.50	weight ppm
Odor	Pass	Pass		
Suspended matter	Pass	Pass		
Residual Solvents	Pass	Pass		
Delivery Number:		Cust/PO Number:		



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