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ANALYSIS CERTIFICATE

Product : DI PROPYLENE GLYCOL (DPGFG)

Batch Number : D11054DP

Date Sampled : 15/10/2020

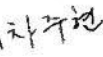
Manufacturing Dates : 15/10/2020

Validity Dates : 14/10/2022

<u>INSPECTION</u>	<u>SPECIFICATION</u>	<u>TEST RESULT</u>
Odor, Characteristic, -	Min. Pass	Pass
DPG, wt. %	Min. 99.8	99.98
MPG, wt. %	Max. 0.2	0.01
Fe, ppm	Max. 0.1	0.04
Water, ppm	Max. 1000	70
Color, APHA	Max. 10	3.0
Acidity, 0.01N, ppm	Max. 30	9.0
IBP, DegC	Min. 228	230.2
Chloride, ppm	Max. 1	LT 0.1
DP, DegC	Max. 240	232.4
SUSPEND, -	Min. Pass	Pass
Sp. Gr, 20/20 c	1.02-1.025	1.0238
As, ppm	Max. 2	LT 0.1
Heavy Metals as Pb, ppm	Max. 20	LT 1.0
Residue on Ignition, ppm	Max. 30	5.0
OVI, -	Pass	Pass

I certify the above statements are true and correct.

Date Recorded : 2020.10.15

Quality Control Manager : J. H. CHA 

*80 DRUMS

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