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CERTIFICATE OF ANALYSIS

Receiver: IPS Technical Services
Physical Address: 8 Jacaranda Street
 Matroosfontein
 Cape Town, 7475

Date: 7 March 2020
Univar o/n: SA20/0013D
Customer o/n: POA10005
Lot No. 162939
Quantity: 25.232Mt
Manufacturing date: 1 February 2020
Expiry Date: Two years from date of manufacturing.

This date assumes product is stored under recommended guidelines

Perklone EXT					
Feature	Units	Minimum	Maximum	Result	Test Method
Appearance		Clear & Bright		Clear & Bright	ASTM D 3741
Water	ppm w/w		20	9 ppm	ASTM D 3401
Specific Gravity @ 25 °C	g/ml	1,617	1.622	1.619 @ 25 °C	ASTM D 2111
Purity minus Stabilizer	% vol	99,95	99,99	99,99	
Non Volatile Residue	ppm w/w		10	<10 ppm	ASTM D 1353
Colour	Hu		15Hu	<10 Hu	
Chlorides	wt ppm		1	<1	
Free Halogen	ppm w/w	Passes Test		Pass	ASTM D 4755
Distillation Range	°C	120 °C	122 °C		ASTM D 1078
Stabilizer	wt ppm		10 ppm	<10	
Organically Combined Oxygen plus Combined Nitrogen	wt ppm		15 ppm	<15	

The above analysis for all tests was provided by the manufacturer.

The analytical results have not been independently confirmed by Univar B.V.

Univar Solutions BV

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