

NATREF LABORATORY ANALYSIS REPORT



Report run on : 09-FEB-2023 15:34:19

Product		TREATED LSR	TREATED LSR
Sample Date		08-FEB-23 02:05	09-FEB-23 01:07
Property	Units		
10%	degC	44.7	
20%	degC	46.9	
30%	degC	49.1	
40%	degC	51.7	
5%	degC	42.4	
50%	degC	55.1	
60%	degC	59.9	
70%	degC	66.6	
80%	degC	75.5	
90%	degC	86.7	
95%	degC	95.9	
C10 Total Aromatics	vol %	0.00	
C10 Total HC	vol %	0.00	
C10 Total Naphthenes	vol %	0.00	
C10 Total Paraffins	vol %	0.00	
C11 Total Aromatics	vol %	0.00	
C11 Total HC	vol %	0.00	
C11 Total Naphthenes	vol %	0.00	
C11 Total Paraffins	vol %	0.00	
C12 Total Aromatics	vol %	0.00	
C12 Total HC	vol %	0.00	
C4 Total Aromatics	vol %	0.00	
C4 Total HC	vol %	0.25	
C4 Total Naphthenes	vol %	0.00	
C4 Total Paraffins	vol %	0.25	
C5 Total Aromatics	vol %	0.00	
C5 Total HC	vol %	47.81	
C5 Total HC Mass	mass %	45.03	
C5 Total Naphthenes	vol %	1.87	
C5 Total Paraffins	vol %	45.94	

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Property	Units		
C6 Total Aromatics	vol %	1.18	
C6 Total HC	vol %	34.82	
C6 Total Naphthenes	vol %	8.32	
C6 Total Paraffins	vol %	25.32	
C7 Total Aromatics	vol %	1.12	
C7 Total HC	vol %	14.42	
C7 Total Naphthenes	vol %	5.87	
C7 Total Paraffins	vol %	7.43	
C8 Total Aromatics	vol %	0.12	
C8 Total HC	vol %	2.60	
C8 Total Naphthenes	vol %	1.16	
C8 Total Paraffins	vol %	1.32	
C9 Total Aromatics	vol %	0.00	
C9 Total HC	vol %	0.10	
C9 Total Naphthenes	vol %	0.05	
C9 Total Paraffins	vol %	0.05	
Colour Saybolt	NONE	>+30	
Density @ 20	kg/l	0.6678	
Doctors Test	NONE	NEGATIVE	NEGATIVE
FBP	degC	109.3	
Hydrogen Sulphide	mg/kg	<1	
IBP	degC	35.2	
Mercaptans	mg/kg	<1	
N + 2A	vol %	22	
Recovery	vol %	98.0	
Reid Vapour Pressure	kPa	74.6	
Total Aromatics	vol %	2.4	
Total Naphthenes	vol %	17.3	
Total Paraffins	vol %	80.31	
Total Sulphur	mg/kg	55	

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Property	Units		
Water Content	mg/kg	47	
Yld Vol @ 70	vol %	74.1	

Take note: This analysis was done on sample point 21-05 on the rundown to the dispatching tanks.
This it not a confirmation of the qualities received into the tanker and only an indication of the expected values.