

Certificate Number . . . : GM-PI-2628
 Customer : INEOS
 Product : GAS OIL (MARKED)
 Vessel : INTER TERMINALS PIPELINE
 Destination : INTER TERMINALS
 Account : INEOS Chemicals Grangemouth Ltd

Date : 28-MAY-2019

Quality	Results T503 (ID:485870)	Units	Method
Visual Appearance	Clear & Bright		
CFPP	-12	deg_C	IP 309
CLOUD POINT	2.0	deg_C	IP 444
ASTM COLOUR	1.5		
CONDUCTIVITY	370	pS/m	IP274
CONDUCTIVITY TEMPERATURE	22.5	deg_C	IP274
DENSITY AT 15 DEGREES C	0.8602	g/ml	IP 385
TEMPERATURE AT 50% EVAPORATED	285.7	deg_C	IP123
RECOVERED AT 250 DEGREES C	19.7	%vol	IP123
RECOVERED AT 350 DEGREES C	90.7	%vol	IP123
PENSKY MARTINS FLASH POINT PROCEDURE A	82.0	deg_C	IP 34
HYDROGEN SULPHIDE	<0.40	mg/kg	IP 570
HAZE	1		
TEMPERATURE	12.0	deg_C	
POUR POINT	-15	deg_C	IP 15
TOTAL SULPHUR	0.10	%wt	IP 336
VISCOSITY AT 40 DEGREES C	3.834	cSt	IP 71
WATER ppm_wt	48	ppm_wt	IP 438
WATER % wt	0.005	%wt	IP 438


Comment: FAME is less than or equal to 7% v/v

Quality	Results (ID:486480)	Units	Method
DENSITY AT 15 DEGREES C - COMPOSITE	0.8581	g/ml	IP 365 *
DENSITY AT 15 DEGREES C - LINE SAMPLE 1	0.8601	g/ml	IP 365 *
DENSITY AT 15 DEGREES C - LINE SAMPLE 2	0.8602	g/ml	IP 365 *
DENSITY AT 15 DEGREES C - LINE SAMPLE 3	0.8601	g/ml	IP 365 *
DENSITY AT 15 DEGREES C - LINE SAMPLE 4	0.8450	g/ml	IP 365 *
Visual Appearance	Clear & Bright		
MARKER	200	%	
INTER TERMINALS IDENTIFIER TRIP NUMBER	INE40/2019		

Test(s) marked * are ISO17025 accredited.

Authorised Technician: Mijail Gitman

Issue Date: 28/05/2019

 IGML-mxg41103-3690606	INEOS Chemicals Grangemouth Ltd. Registered No. 06981897. Registered Office Hawkslease Chapel Lane Lyndhurst Hampshire SO43 7FG.	The results shown in this test report specifically refer to the sample(s) tested as received. This test report shall not be reproduced except in full, without written approval of the laboratory. Testing carried out on behalf of Petrolneos Manufacturing Scotland Limited. INEOS Laboratory is a UKAS accredited testing laboratory. no. 2770N	Page 1 of 1 Document Control LAB-S-2524B Issue Date: 01/08/2017 Issue Number: 1.00
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