Certificate of Analysis

COA #: INMUM-22-00799

INSPECTORATE GRIFFITH INDIA PVT. LTD.
Plot No B3/B4 TTC Industrial Area,Digha MIDC,Thane Belapur Road,
Near Sandoz Co. Digha Thane,
Navi Mumbai, Maharastra, 400 708, India
E: ctd.mumbailab@bureauveritas.com
T: +91 22 50954890

Report Issued To:
SulNOx Research & Development Ltd
SulNOx Group Plc, 10 Orange Street, ,Haymarket, London, WC2H 7DQ,
London - England

Sample ID :	INMUM-22-00799-001	**Sample Received :**	15-Feb-2022
***Customer Reference :**	MAIL	**Sample Analysed :**	15-Feb-2022
Discipline/Group :	Chemical/Petroleum & Products	**Report Issue Date :**	11-Mar-2022
Product Name :	Gas Oil		
***Asset :**	submitted sample		

***SulNOx EcoConditioner 1:2000 blend**

INMUM-22-00799-001

Test	Method	Unit	Result
Sulfur Content	ASTM D5453 -19a	mg/kg	3.7
Cold Filter Plugging Point (CFPP)	IP 309 /16	°C	2
Manual/Automated	ASTM D86 -20b	-	Automatic
IBP	ASTM D86 -20b	°C	159.6
5% Recovered	ASTM D86 -20b	°C	185.9
10% Recovered	ASTM D86 -20b	°C	195.5
20% Recovered	ASTM D86 -20b	°C	208.7
30% Recovered	ASTM D86 -20b	°C	222.7
40% Recovered	ASTM D86 -20b	°C	236.2
50% Recovered	ASTM D86 -20b	°C	249.7
60% Recovered	ASTM D86 -20b	°C	264.4
70% Recovered	ASTM D86 -20b	°C	279.5
80% Recovered	ASTM D86 -20b	°C	297.7
90% Recovered	ASTM D86 -20b	°C	322.6
95% Recovered	ASTM D86 -20b	°C	341.4
Endpoint	ASTM D86 -20b	°C	359.4
Kinematic Viscosity at 40°C	ASTM D445 -21	mm^2/s	2.221
Pour Point	ASTM D97 -17b	°C	-3
Acid Number	ASTM D974 -21	mg KOH/g	0.04
Cetane Index	ASTM D4737A -21	-	55.3
Density at 15°C	ASTM D4052 -18a	g/mL	0.8160
Flash Point	ASTM D93A -20	°C	51.0

* Indicates information supplied by the customer for which the laboratory has no control.

Santosh Namdeo UPARE
Laboratory Manager

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Product Name :	Gas Oil		
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INMUM-22-00799-001

Test	Method	Unit	Result
Ash	ASTM D482 -19	% (m/m)	<0.010
Appearance	ASTM D4176 Proc. 1 -21a	-	Pass
Recovered at 250°C	ASTM D86 -20b	% (V/V)	50.1
Recovered at 350°C	ASTM D86 -20b	% (V/V)	96.7
Water Content	ASTM D6304A -20	mg/kg	43
Test Time	ASTM D2274 -14(2019)	Hours	16
Total Insolubles(Oxidation Stability)	ASTM D2274 -14(2019)	mg/100mL	0.6
Corrosion Copper Strip - 3h at 50°C (122°F), Classification	ASTM D130 -12	-	1a
Ramsbottom Carbon Residue on 10% Distillation Residue	ASTM D524 -15(2019)	%	0.10
Particulate Contaminant	IP 440 /14	mg/kg	<12
Manganese	WI 77 :2019	mg/L	<0.1

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Remark : Report has been amended for inclusion of below remark & description over report No. INMUM-22-0079920220309055545.

Latest issue of test methods used unless stated otherwise.
The above results relate only to the item tested.
Please refer to ASTM D3244-07 and to IP method 367 Appendix E for utilisation of test data for conformance with specifications.
No measurement uncertainty (MOU) has been applied to the reported results. The MOU is available via the reference standard via request directly from the laboratory.
where sampling performed by Bureau Veritas,it is outside the scope of NABL accreditation.
Product meets IS 1460:2017 specification based on test performed and result obtained only with no MOU applied .

--- End of Report ---

Santosh Namdeo UPARE
Laboratory Manager