

## **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

15-Feb-2022

15-Feb-2022

11-Mar-2022

Sample Received :

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
\*Customer Reference: MAIL

\*Customer Reference : MAIL Sample Analysed : Discipline/Group : Chemical/Petroleum & Products Report Issue Date :

Product Name : Gas Oil

\*Asset: submitted sample

## \*SulNOv EcoConditionar 1:2000 bland

*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	mm²/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		

<sup>\*</sup> Indicates information supplied by the customer for which the laboratory has no control.

Santosh Namdeo UPARE Laboratory Manager

Page 1 of 2

The information contained in this test report relates only to the sample(s) tested on as received bases, and not necessarily the whole from which these samples were drawn. This report shall not be reproduced except in full, without the written approval from Inspectorate laboratory. For the evaluation of results, the methods precision statement applies. Also please refer to ASTM D 3244, IP 3274, I



## **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					
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		
	IP 440 /14 WI 77 :2019	0 0			

<sup>\*</sup> Indicates information supplied by the customer for which the laboratory has no control.

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

Page 2 of 2

The information contained in this test report relates only to the sample(s) tested on as received bases, and not necessarily the whole from which these samples were drawn. This report shall not be reproduced except in full, without the written approval from Inspectorate laboratory. For the evaluation of results, the methods precision statement applies. Also please refer to ASTM D 3244, IP 327 and Appendix E of IP Standard Methods for analysis & testing for utilization of test data to determine conformance with products specification(s) and or process requirements. This report reflects our finding at time and place of intervention only and does not refer to any other matters. Samples was submitted solely for testing and hence Inspectorate disclaims any and all liability for damage or injury which might result from the use of the information contained herein, and nothing contained herein shall constitute a guarantee, warranty on representation by Inspectorate with respect to the accuracy of the information, the sample, product or item described, or its suitability for use for any specific purpose. All services are rendered in accordance with Inspectorate's General Terms and Conditions of Business, available on request or at https://www.bureauveritas.co.in/general-terms-and-conditions-service Regd. Office: Eco Center, 16th Floor, Unit 1601, Block-EM04, Salt Lake, Sector - V, Bidhannagar, Kolkata 700 091.