

Certificate of Analysis

COA#: INMUM-22-00800

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 :

Sample Analysed :

Report Issue Date :

Report Issued To:

SulNOx Research & Development Ltd

SulNOx Group Plc, 10 Orange Street, ,Haymarket, London, WC2H 7DQ,

London - England

Sample ID: INMUM-22-00800-001

*Customer Reference:

Discipline/Group: Chemical/Petroleum & Products

Product Name: Gasoline

*Asset: submitted samp	le				
*SulNOx EcoConditioner 1:2000 blend					
INMUM-22-00800-001					
Test	Method	Unit	Result		
Corrosion Copper Strip - 3h at 50°C (122°F)	ASTM D130 -19	-	1a		
Doctor Test	IP 30 /07(2014)	-	Negative		
Unwashed Gum Content	ASTM D381 -19	mg/100mL	5		
Washed Gum Content	ASTM D381 -19	mg/100mL	1.5		
Induction Period at 100°C	ASTM D525 -12a(2019)	Minutes	>360		
Manual/Automated	ASTM D86 -20b	-	Automatic		
IBP	ASTM D86 -20b	°C	36.0		
5% Recovered	ASTM D86 -20b	°C	48.9		
10% Recovered	ASTM D86 -20b	°C	52.2		
20% Recovered	ASTM D86 -20b	°C	56.7		
30% Recovered	ASTM D86 -20b	°C	60.9		
40% Recovered	ASTM D86 -20b	°C	65.3		
50% Recovered	ASTM D86 -20b	°C	69.6		
60% Recovered	ASTM D86 -20b	°C	104.4		
70% Recovered	ASTM D86 -20b	°C	122.0		
80% Recovered	ASTM D86 -20b	°C	136.7		
90% Recovered	ASTM D86 -20b	°C	154.4		
95% Recovered	ASTM D86 -20b	°C	168.2		
Endpoint	ASTM D86 -20b	°C	186.8		
Residue	ASTM D86 -20b	%	1.0		
Sulfur Content	ASTM D5453 -19a	mg/kg	3.4		
Color	WI-09 (Visual) :2019	-	Orange		
Density at 15°C	ASTM D4052 -18a	g/mL	0.7510		

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

ASTM D323A -20a

Santosh Namdeo UPARE

43.5

Laboratory Manager

kPa

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 367 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.

Reid Vapor Pressure



Certificate of Analysis

COA#: INMUM-22-00800

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:

Sample Analysed:

Report Issue Date:

Report Issued To:

SulNOx Research & Development Ltd

SulNOx Group Plc, 10 Orange Street, ,Haymarket, London, WC2H 7DQ,

London - England

Sample ID: INMUM-22-00800-001

*Customer Reference : mail

Discipline/Group: Chemical/Petroleum & Products

Product Name: Gasoline

*Asset: submitted sample

*SulNOv EcoConditioner 1:2000 blend

INMUM-22-00800-001					
Test	Method	Unit	Result		
Mercaptan Sulfur	ASTM D3227 -16	mg/kg	<3		
Appearance	ASTM D4176 Proc. 1 -21a	-	Pass		
Free water	ASTM D4176 Proc. 1 -21a	-	None		
Suspended Matter	ASTM D4176 Proc. 1 -21a	-	No suspended Matter		
Vapour Lock Index	WI-92 (Calculation) :2019	-	919		
Lead	WI-77 (By ICP-USN) :2019	ppb	<1		
Phosphorus	WI-77 (By ICP-USN) :2019	ppb	16.0		
Manganese	WI-77 (By ICP-USN) :2019	ppb	2.0		
Naphthenes	ASTM D5134 -13(2017)	% (V/V)	10.89		
Antiknock Index	ASTM D4814 -20a	-	90.7		
Aromatics	ASTM D5134 -13(2017)	% (V/V)	29.80		
Olefins	ASTM D5134 -13(2017)	% (V/V)	14.39		
Benzene	ASTM D5134 -13(2017)	% (V/V)	0.59		
E70	ASTM D86 -20b	% (V/V)	51.5		
E100	ASTM D86 -20b	% (V/V)	59.3		
E150	ASTM D86 -20b	% (V/V)	88.6		

^{*} 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-22-0079920220309051129.

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 2896:2017 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 3274, I