



**BUREAU  
VERITAS**

**BUREAU VERITAS GAZELLE (PTY) LTD**  
**Certificate of Analysis**

Bureau Veritas Gazelle (Pty) Ltd  
96 Hokkaido Road, Island View  
Bluff, Durban  
South Africa

**Client:** SulNOx Fuel Fusions Limited,  
10 Orange Street,  
Haymarket, London,  
WC2H 7DQ  
**Att:** Jimmy Redman

**Vessel/Other:** Special Analysis  
**Certificate Date:** 05 April 2023  
**File No.** D011643.23  
**Sample No.** 2975.23  
**Certificate No.** DBN870.23  
**Product Name:** Petrol  
**Condition of Sample:** Good, 1 x 5L Plastic Bottle

**Sample Source:** 500 ppm SulNOxEco + Engen Petrol  
**Date Received:** 29 March 2023  
**Time Received:** 12h00  
**Date Tested:** 29 March 2023  
**Sample Drawn By:** Bureau Veritas Gazelle  
**Terminal/Berth:** Engen Garage – Marine Drive  
**Sample Method:** -

Test	Units	Method	Specification	Results
Appearance	-	Visual*	Bright & Clear	Pass
Colour	-	Visual*	Green	Green
Density@20°C	Kg/l	ASTM D4052	0.7100 – 0.7850	0.7379
Doctor Test	-	IP30*	Negative	Negative
Distillation	°C	ASTM D86		
I.B.P	°C	-	Report	34.0
10% (v/v) Evaporated	°C	-	65 max	54.8
50% (v/v) Evaporated	°C	-	77 – 115	102.7
90% (v/v) Evaporated	°C	-	185 max	170.0
Evaporated to 70°C	%v/v	-	Report	26.5
F.B.P	°C	-	215 max	206.5
Residue	%v/v	-	2.0 max	1.0
Reid Vapour Pressure @ 37.8°C	kPa	ASTM D323*	75 max	65
Existent Gum	mg/100ml	ASTM D381*	5 max	1.0
VLI	-	Calculation*	1050 max	847
Copper Corrosion (3hr@50°C)	-	ASTM D130	1 max	1a
Sulphur	mg/kg	ASTM D5453	500 max	5.3
Lead Content	gPb/L	ASTM D3348*	0.005 max	<0.003
Aromatics	%v/v	ASTM D1319*	50 max	28.7
Total Acidity	mgKOH/g	ASTM D974*	0.03 max	0.008
≈Research Octane Number	-	ASTM D2699	95.0 min	95.4
≈Motor Octane Number	-	ASTM D2700	85.0 min	85.2
≈Manganese Content	mg/L	ASTM D3831	36 max	<1

\*\*\*\*\* End of Analysis Results \*\*\*\*\*

**Note:** All tested parameters are within SANS 1598 specification.

  
VL Mistry  
Technical Signatory

≈ Subcontracted Tests

{ } Product does not meet specification

\* Tests that are not accredited by SANAS to ISO/IEC 17025

Results marked "Not SANAS Accredited" in this report are not included in the SANAS schedule of accreditation for this laboratory.

Results marked "Subcontracted Test" in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

This certificate related specifically to the sample/s tested as received. This test report shall not be reproduced except in full, without written approval of the laboratory. Analysis has been performed in accordance with the latest issues of the relevant test methods.

**Bureau Veritas Gazelle (Pty) Ltd**

Directors: E. Naidoo (Managing), C.C. Arendse, M.F.H. Roussel (French), E.M.A. Bigot (French)

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Company Secretary: CST Governance (Pty) Ltd

The Bureau Veritas General Terms and Conditions of Service Apply (a copy is available on request)

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