



**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:** 03 March 2023  
**File No.** D011643.23  
**Sample No.** 1943.23  
**Certificate No.** DBN571.23  
**Product Name:** Diesel  
**Condition of Sample:** Good, 2 x 5L Plastic Bottles

**Sample Source:** 500 ppm SulNOsEco + Caltex Diesel  
**Date Received:** 24 February 2023  
**Time Received:** 11h30  
**Date Tested:** 01 March 2023  
**Sample Drawn By:** Client  
**Terminal/Berth:** -  
**Sample Method:** Submitted Sample

| Test                           | Units | Method      | Specification  | Results |
|--------------------------------|-------|-------------|----------------|---------|
| Appearance                     | -     | ASTM D4176  | Bright & Clear | Pass    |
| Appearance, haze rating        | -     | ASTM D4176  | 2 max          | 1       |
| Ash Content                    | %m/m  | ASTM D482*  | 0.01 max       | <0.01   |
| Colour                         | -     | ASTM D6045  | Report         | L1.0    |
| Copper Corrosion (3hrs@100°C)  | -     | ASTM D130   | 1 max          | 1a      |
| CFPP                           | °C    | IP309*      | 3 max          | -6      |
| Cetane Index                   | -     | ASTM D976*  | 48 min         | 60.3    |
| Density @ 20°C                 | Kg/l  | ASTM D4052  | 0.8000 min     | 0.8135  |
| Distillation – 90% Recovery    | °C    | ASTM D86    | 362 max        | 342.0   |
| Electrical Conductivity @ 20°C | pS/m  | ASTM D2624  | Report         | 520     |
| Flash Point                    | °C    | ASTM D93A   | 55 min         | 65.0    |
| Kinematic Viscosity @ 40°C     | cSt   | ASTM D445*  | 2.0 - 5.3      | 2.854   |
| Lubricity                      | µm    | ISO12156-1* | 460 max        | 350     |
| MCRT                           | %m/m  | ASTM D4530* | 0.3 max        | 0.01    |
| Sulphur                        | mg/kg | ASTM D5453  | Report         | 7.3     |
| Particulate Contamination      | mg/kg | IP440*      | 24 max         | 5.5     |
| Water Content                  | %v/v  | ASTM D6304  | 0.035 max      | 0.004   |

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

**Note:** All tested parameters are within SANS 342 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.

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### Bureau Veritas Gazelle (Pty) Ltd

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