

Curacao Oil N. V. (Curoil)  
Excon Martina  
A.M Chumanceiro Blvd.15,  
P.O. Box 3927  
Willemstad  
Netherlands Antilles

Our Reference Number: NA100-0007934  
Lab Reference Number: 2024-CURA-000078  
Customer Reference Number: Sea Frontier

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|--|--|
| <b>Customer Product Description:</b> ULSD                                | <b>Sample ID:</b> 2024-CURA-000078-002 |
| <b>Location:</b> Prins Hendrik Wharf, Curacao, , Netherlands Antilles    | <b>Date Sampled:</b> 03-Jun-2024       |
| <b>Sample Representing:</b> Shore Tank 06 U,M,L, Average After Discharge | <b>Date Submitted:</b> 03-Jun-2024     |
| <b>Drawn By:</b> Intertek  | <b>Date Tested:</b> 27-Jun-2024        |

| Method                  | Property                               | Result         | Units    | Min              | Max       | P/F  |
|-------------------------|--|----------------|----------|------------------|-----------|------|
| ASTM D445               | Kinematic Viscosity at 40 °C           | 2.667          | mm²/s    | 2.0              | 4.1       | Pass |
| ASTM D4052              | API Gravity @ 60°F                     | 37.4           | °API     | 32.0             |           | Pass |
|                         | Density @ 15°C                         | 837.6          | kg/m³    | 820              | 845       | Pass |
|                         | Specific Gravity @ 60°F                | 0.8380         |          |                  |           |      |
| ASTM D976               | Cetane Index                           | 50.9           |          | 46.0             |           | Pass |
| ASTM D2622              | Sulfur Content                         | 7.4            | mg/kg    |                  | 15        | Pass |
| <sup>3</sup> ASTM D93   | Corrected Flash Point                  | 65.0           | °C       | 60.0             |           | Pass |
| ASTM D664               | Acid Number                            | 0.04           | mg KOH/g |                  | 0.50      | Pass |
| <sup>3</sup> ASTM D2274 | Total Insolubles (Oxidation Stability) | 2              | mg/L     |                  | 25        | Pass |
| ASTM D4530              | Micro Method Carbon Residue 10%        | <0.1           | Wt %     |                  | 0.3       | Pass |
| ASTM D2500              | Cloud Point                            | -10            | °C       |                  |           |      |
| ASTM D97                | Pour Point                             | -21            | °C       |                  | 0         | Pass |
| ASTM D4176 MOD          | Appearance                             | Clear & Bright |          | Clear and Bright |           | Pass |
| ASTM D482               | Ash                                    | <0.010         | Wt %     |                  | 0.010     | Pass |
| <sup>2</sup> ASTM D6079 | Wear Scar Diameter                     | 410            | µm       |                  | 460       | Pass |
| ASTM D86                | Initial Boiling Point                  | 167.0          | °C       |                  |           |      |
|                         | 10% Recovery                           | 202.0          | °C       |                  |           |      |
|                         | 50% Recovery                           | 265.0          | °C       |                  | 288.0     | Pass |
|                         | 90% Recovery                           | 332.0          | °C       | 282.0            | 338.0     | Pass |
|                         | Final Boiling Point                    | 358.0          | °C       |                  |           |      |
|                         | Residue                                | 1.5            | % Vol    |                  | 2.0       | Pass |
|                         | Loss                                   | 0.5            | % Vol    |                  | 2.0       | Pass |
| ASTM D1500              | ASTM Color                             | 1.0            |          | <= 2.5           |           | Pass |
| <sup>2</sup> ASTM D130  | Copper Corrosion @ 50°C (122°F)/3 hr   | 1a             |          |                  | Max No. 3 | Pass |
| <sup>2</sup> ASTM D613  | Cetane Number                          | 50.0           |          | 46.0             |           | Pass |
| <sup>2</sup> ASTM D1319 | Aromatics                              | 23.8           | Vol %    |                  | 35.0      | Pass |
| <sup>2</sup> EN 12662   | Total Contamination                    | <12.0          | mg/kg    |                  | 24.0      | Pass |
| <sup>2</sup> ASTM D7111 | Manganese                              | <0.50          | mg/kg    |                  |           |      |
|                         | Silicon                                | <0.10          | mg/kg    |                  |           |      |
| ASTM D2624              | Temperature                            | 26.0           | °C       |                  |           |      |
|                         | Electrical Conductivity                | 182            | pS/m     | 25               |           | Pass |

# Report of Analysis

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| Method                  | Property                                   | Result | Units   | Min | Max  | P/F  |
|-------------------------|--|--------|---------|-----|------|------|
| <sup>2</sup> UOP 779    | Chloride                                   | <2     | mg/kg   |     |      |      |
| <sup>2</sup> ASTM D6591 | Polycyclic-Aromatic Hydrocarbons (POLY-AH) | 3.0    | Mass %  |     | 8.0  | Pass |
| ASTM D95                | Water Content                              | <0.01  | % (V/V) |     | 0.02 | Pass |

**Material conforms to the Curoil ULSD requirements on above relevant point(s) of testing**

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The analysis results denoted by ( 2 ) were performed by Intertek Panama laboratory.

Results are only representative of the sample tested. All tests have been performed using the latest version unless otherwise indicated. This report shall not be reproduced except in full without written approval of Intertek. Report is subject to our standard Terms and Conditions which can be obtained at our website : <http://www.intertek.com/terms>  
 The analysis results denoted by ( 3 ) were performed by CRU Refinery laboratory. Intertek cannot accept liability for the accuracy of any results not performed by its own laboratories.

Signed:  Date: 27-Jun-2024  
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 Glenn Gustina, Branch Coordinator