Testing Laboratory DMV Control
Oil terminal city of Marten, Ruse region; tel: 00359885 041 043; 00359884 202 307, E-mail: laboratory@dmv.bg

Accredited by EA BAS according to the standard BDS EN ISO / IEC 17025: 2018.
Accreditation certificate from EA BAS:
reg. № 224 LI / 08.07.2022
Valid until December 6, 2025.
All pages: 2

TEST REPORT

№ 77 / 12.01.2023

1. Name of the test object	Diesel fuel (Diesel fuel according to EN 590)
2. Name of the client:	DMV Petrol EOOD, Ruse, Hr. Botev № 1
3. Test request:	№ 77
4. Date of receipt of the object for laboratory testing:	12.01.2023
5. Description of the test object:	The test sample was provided by the client in a sealed 1.0 L plastic bottle. Quantity of test sample 1,0 L. Vehicle: № BI 0866 CO / BI 1263 XF Quantity: 29232,0 L.
6. Test method:	ВЛМИ - 01 / 2021 БДС EN ISO 3104:2020 БДС EN ISO 3405:2019 БДС EN ISO 2719:2016 БДС EN ISO 2719:2016/A1:2021 БДС EN ISO 20884:2020 БДС EN ISO 20884:2019/A1:2021 БДС EN 116:2015 БДС EN 116:2015/Поправка 1:2018 БДС EN ISO 12937:2003
7. Test date / period:	12.01.2023

Head of laboratory "DMV Control": .....
eng. G. Angelova

Version: 1; Redaction: 1
Effective from: 15.01.2019

Testing Laboratory DMV Control
Oil terminal city of Marten, Ruse region; tel: 00359885 041 043; 00359884 202 307, E-mail: laboratory@dmv.bg

Test Report № 77 / 12.01.2023

8. Test results:

№	Parameter	Unit, SI	Method	Result, uncertainty[1] (extended)	Value and tolerance[2]	Testing Conditions
1	2	3	4	5	6	7
1.	Density at 15 °C	kg/m³	ВЛМИ – 01/2021	841,5 ± 0,2	820,0 ÷ 845,0	T_{sample} (20,0 ± 0,1) °C $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
2.	Kinematic viscosity at 40 °C	mm²/s	БДС EN ISO 3104:2020	2,816 ± 0,012	2,0 ÷ 4,5	$T_{heating\ bath}$ (40,00 ±0,02) °C $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
3.	Distillation range - at 250 ° C - at 350 ° C - 95,0% at	 % (V/V) % (V/V) °C	БДС EN ISO 3405:2019	 34,5 ± 0,8 94,0 ± 1,2 353,5 ± 3,7	 max 65 min 85 max 360	Manuel Procedure P (101,8 ± 0,1) kPa $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
4.	Flash point by closet cup	°C	БДС EN ISO 2719:2016 БДС EN ISO 2719:2016/ A1:2021	59,0 ± 1,7	min 55	Procedure A Electrical ignition P (101,8 ± 0,1) kPa $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
5.	Sulfur content	mg/kg	БДС EN ISO 20884:2020 БДС EN ISO 20884:2019/ A1:2021	8,3 ± 1,4	max 10	K-$L_{2,3}$ at 0,5373 nm $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
6.	Cold filter plugging point (CFPP)	°C	БДС EN 116:2015 БДС EN 116:2015/ Поправка 1: 2018	- 18,0 ± 0,4	max +5 (summer) max -15(winter)	$T_{cooling\ bath}$ (-34,0 ± 0,5) °C $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh
7.	Water content. (Karl Fisher method)	% (m/m)	БДС EN ISO 12937:2003	below 0,010	max 0,020	clear and transparent liquid $T_{envir.}$ (23,3 ± 0,1) °C (52,0 ± 2,5) % rh

Notes:
1. The results shown in this test report refer only to the sample(s) tested. This document cannot be reproduced except in full, without prior written approval of the Testing Laboratory DMV Control. Unless otherwise stated arbitrary samples (if any) are retained for 90 days only.
2. The clients of Testing Laboratory DMV Control may use a reference to its accreditation only in their promotional materials in compliance with the requirements of QP 708-2 „Rules for use of the logo and the accreditation symbol of EA BAS", available upon request.
3. Laboratory clients have access to the customer complaint handling rules set out in QP 709-1 „Complaints Management" upon request.
4. Statements of compliance with the requirements of the regulatory documents and / or specifications are not considered opinions and interpretations according to БДС EN ISO / IEC 17025: 2018
5. In case the sample is provided by the Client or prepared by a third party acting on the Client's instructions, the Laboratory shall not be responsible for the representativeness of the sample. The test results obtained relate only to the sample provided.
6. The laboratory is not responsible for information provided by the customer about the product, object and location of the object, which may affect the validity of the results.

[1]Test result with associated extended uncertainty calculated from standard uncertainty multiplied by a coverage factor k = 2 and a confidence interval of approximately 95%.

[2]The data are according EN 590.

This test report is generated, verified and approved digitally. It is valid without a handwritten signature.

Laboratory assistant: .....
S. Mehmedova

Head of laboratory "DMV Control": .....
eng. G. Angelova

Version: 1; Redaction: 1
Effective from: 15.01.2019