



Warter Group



WARTER FUELS SPÓŁKA AKCYJNA

02-967 Warszawa, ul. Korolowa 60

Quality certificate no.

25OBR\_IN/A/154

19-05-2025

Product: WARTER Racing 102

Specifications according to: WT-16/OBR PR/PD/112

Research unit: WARTER FUELS SPÓŁKA AKCYJNA

Producer: WARTER FUELS SPÓŁKA AKCYJNA

Sample no. 25OBR\_IN/563

Lot no: 25/IN/134

Lot size:

Tank no: BB 013

Tanker no. ....

Date of sampling: 08-05-2025 03:01

Date of sample delivery: 08-05-2025

Date of the test: 09-05-2025

## FULL SPECIFICATION TEST

No.	Properties	Unit	Results	Limits	Method
1.	Research Octane Number	-	102	min. 95,0 - max. 102,0	PN-EN ISO 5164:2014-08
2.	Motor Octane Number MON	-	90	min. 85,0 - max. 90,0	PN-EN ISO 5163:2014-08
3.	Density at 15 °C	kg/m <sup>3</sup>	754,8	min. 720,0 - max. 785,0	PN-EN ISO 12185:2024-08
4.	Oxygen content	%(m/m)	3,34	max. 3,7	PN-EN 13132:2005
5.	Sulfur content	mg/kg	<3,0	max. 10	ASTM D 2622-24
6.	Lead Content	mgPb/l	<2,5	max. 5	PN-EN 237:2007
7.	Benzene content	%(V/V)	<0,01	max. 1	PN-EN 12177:2004
8.	Hydrocarbon type content olefins	%(V/V)	0,4	max. 18	PN-EN 15553:2022-05
9.	Hydrocarbon type content aromatics	%(V/V)	32,5	max. 35	PN-EN 15553:2022-05
10.	Oxidation stability	min.	>360	min. 360	PN-EN ISO 7536:2011
11.	Reid vapour pressure at 37,8 C	kPa	57,2	max. 80	PN-EN 13016-1:2018-05
12.	to 70 °C dist.	%(V/V)	40,2	min. 20 - max. 52	PN-EN ISO 3405:2019-05
13.	to 100 °C dist.	%(V/V)	55,6	min. 46 - max. 72	PN-EN ISO 3405:2019-05
14.	to 150 °C dist.	%(V/V)	-	min. 75	PN-EN ISO 3405:2019-05
15.	Final Boiling Point	°C	119	max. 210	PN-EN ISO 3405:2019-05
16.	Residue	%(V/V)	1,5	max. 2,0	PN-EN ISO 3405:2019-05
17.	Manganese content	mg/l	<2,0	max. 2	PN-EN 16135:2012

Warter Racing 102 meets WT-16/OBR PR/PD/112

Signature

Date. 19-05-2025

QC: 8, Maria Ptaszyńska