

QUALITY REPORT

Report number: 14001/00010247/23
Place of sampling: Gdański Terminal Gazowy
Sample object: shore tank no 8
Product: propane
Sample type: general
Date of sampling: 05.01.2023; 13:50 hrs
Sample number: 14170741
Customer reference number: WGT No: 09/01/2023
Testing completed: 05.01.2023
Date of issue: 05.01.2023

NAME	METHOD	UNIT	RESULT
C1	PN-EN 27941:2015-12	% m/m	<0,1
C2	PN-EN 27941:2015-12	% m/m	1,1
C3	PN-EN 27941:2015-12	% m/m	98,2
C4	PN-EN 27941:2015-12	% m/m	0,7
C5	PN-EN 27941:2015-12	% m/m	<0,1
Total olefines content	PN-EN 27941:2015-12	ppm	3553
1,3-butadiene content	PN-EN 27941:2015-12	ppm	<10
Methane	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Ethane	PN-EN 27941:2015-12 ¹	% m/m	1,1
Ethene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Propane	PN-EN 27941:2015-12 ¹	% m/m	97,8
Propadiene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Propene	PN-EN 27941:2015-12 ¹	% m/m	0,4
i-Butane	PN-EN 27941:2015-12 ¹	% m/m	0,7
n-Butane	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Trans-2-butene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
1-Butene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
i-Butene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Cis-2-Butene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
2,2-Dimethylpropane	PN-EN 27941:2015-12 ¹	% m/m	<0,1
i-Pentane	PN-EN 27941:2015-12 ¹	% m/m	<0,1
1,2-butadiene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
n-Pentane	PN-EN 27941:2015-12 ¹	% m/m	<0,1
1,3-butadiene	PN-EN 27941:2015-12 ¹	% m/m	<0,1
Total sulphur content	PN-EN 17178:2020-01 ¹	mg/kg	2,4
Residue of mineral oil	PN-EN 15471:2017-08	mg/kg	<20
Density at 15,6 °C	PN-C-96008:1998	t/m ³	0,506
Absolute vapour pressure at -15 °C	PN-C-96008:1998	MPa	0,311
Absolute vapour pressure at 40 °C	PN-C-96008:1998	MPa	1,437
Absolute vapour pressure at 70 °C	PN-C-96008:1998	MPa	2,639
Calorific value	PN-C-96008:1998	kJ/kg	46360
Hydrogen sulfide content	PN-EN ISO 8819:2000 ¹	-	not detected
Water content	PN-C-96008:1998	-	not detected
Odour	PN-EN 589+A1:2022-07 Annex A	-	distinctive and unpleasant
Copper strip corrosion (1 h at 40 °C)	PN EN ISO 6251:2001 ¹	-	class 1

Remarks:
Sample was taken from the tank as above in accordance with EN ISO 4257:2001.
¹ Accredited method, PCA Accreditaion no AB 1278.
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Results approved by: Kamil Borsuk
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