



# CROATIAINSPECT

KONTROLA KVALITETE I KVANTITETE ROBE, d.o.o.  
INTERNATIONAL INSPECTION AND TESTING Co. Ltd.

## TEST REPORT

Customer: **CRODUX DERIVATI DVA d.o.o.**

Origin of fuel: **EU, ITALY**

Installation: **TERMINAL JANAF, OMIŠALJ**

Method: **Sampling (HRN EN ISO 3170) and evaluation of Laboratory analysis No. 0158/18 issued from accredited laboratory (Certificate approval No.1054)**

No. of sample: **18096**

Purpose: **Analysis and storage**

Report No. **6-18-D/A**

Date of issue: **4.4.2018.**

No. of CI project: **1644**

Type of fuel: **EUROSUPER 95 BS**

Quantity: **9.153.740 l/15 °C**

Tank: **A-1604 ex m/t HAFNIA KARAVA**

Sampling date: **2.4.2018.**

Sampled by: **Marinko Grdinić**

Property	Test Method	LIMITS		Units	Value
		Min	Max		
Research octane number, <b>RON</b>	HRN EN ISO 5164	95,0	--		<b>95,2</b>
Motor octane number, <b>MON</b>	HRN EN ISO 5163	85,0	--		<b>86</b>
Density (at 15 <sup>o</sup> C)	HRN EN ISO 3675	720,0	775,0	kg/m <sup>3</sup>	<b>739,7</b>
Distillation	HRN EN ISO 3405				
- % evaporated at 100°C		46,0	--	% v/v	<b>53,5</b>
- % evaporated at 150°C		75,0	--	% v/v	<b>88,2</b>
Hydrocarbon type content					
- olefins	HRN EN ISO 22854	--	18,0	% v/v	<b>5,1</b>
- aromatics	HRN EN ISO 22854	--	35,0	% v/v	<b>33,5</b>
- benzen content	HRN EN ISO 22854	--	1,0	% v/v	<b>0,69</b>
Oxygene content	HRN EN ISO 22854	--	3,7	% m/m	<b>0</b>
Oxygenates content					
- methanol	HRN EN ISO 22854	--	3,0	% v/v	<b>0,00</b>
- ethanol		--	10,0	% v/v	<b>0,00</b>
- iso-propyl alcohol		--	12,0	% v/v	<b>0,00</b>
- tert-butyl alcohol		--	15,0	% v/v	<b>0,00</b>
- iso-butyl alcohol		--	15,0	% v/v	<b>0,00</b>
- ethers (5 or more C atoms)		--	22,0	% v/v	<b>0,00</b>
- other oxygenates		--	15,0	% v/v	<b>0,0</b>
Sulfur content	HRN EN ISO 20846	--	10,0	mg/kg	<b>6,7</b>
Lead content	HRN EN 237	--	5,0	mg/L	<b>&lt;0,5</b>

### NOTE:

The product has not been added with additives containing Manganese (verification is based on Analytical Report from supplier).

### CONCLUSION:

Based on the Regulation for quality of goods (Official Gazette 57/17), we have performed sampling and evaluation of laboratory analysis made in accredited laboratory (HRN EN ISO IEC 17025). The values are within limits according to the Regulation for quality of liquid petroleum fuels (Official Gazette No. 57/17) and Standard EN 228

**CROATIAINSPECT**  
kontrola kvalitete i kvantitete  
d.o.o.  
ZAGREB -- Tkalčićeva br. 7/IV

Darko Cuzek, univ. spec. oec., dipl. ing.

Tkalčićeva 7/IV,  
10000 Zagreb, Croatia  
☎ +385 1 4874777  
☎ +385 1 4873728  
✉ info@croatiainspect.hr

DEPARTMENT OF OIL AND OIL PRODUCTS  
INSPECTION OF OIL AND OIL PRODUCTS  
Inspection body type A

17020 · HAA



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