



DARALEX AGRO
OILS WITHOUT BORDERS

DARALEX AGRO S.R.L.

Soseaua Nicolina, Nr.189, Etaj 2,

Mun.Iasi, Jud.Iasi, Romania

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CERTIFICATE № RRO-_____
REFINED WINTERIZED DEODORIZED RAPESEED OIL

Legal Address of Company: DARALEX AGRO S.R.L. Soseaua Nicolina, Nr.189, Etaj 2, Mun.Iasi, Jud.Iasi, Romania	Customer: Consignee:
Date of loading: _____ Accompanying document №: _____ Product: REFINED DEODORIZED RAPESEED OIL	Lot № _____ Date of production: _____ Net weight: _____ tons Gross weight: _____ tons
Processing: ☒ refined ☒ winterized ☒ deodorized Packing Type: ☐ in railway tank wagon №: _____ ☐ in flexi-tank №: _____ ☒ in tanker truck №: _____	Warranty period of storage (providing the proper storage and transportation rules): 12 months in bulk Origin: Republic of Moldova Non-GMO Low erucic acid

Physico-Chemical Parameters of Product – REFINED DEODORIZED RAPESEED OIL

Parameters	Testing method	Result
Colour value, mg of iodine	SM EN ISO 15305	≤ 10,0
Lovibond colour, red units (5,25")	SM EN ISO 15305	≤ 2,0
Acid number of fat, mg KOH/g	SM EN ISO 660	≤ 0,4
Peroxide value, ½ O mmol/kg (mg/eq.)	SM EN ISO 3960	≤ 5,0
Content of moisture and volatile matter, %	SM EN ISO 662	≤ 0,15
Content of non-fatty impurities (sludge weight), %	SM EN ISO 663	absent
Phosphorus-containing substances	SM EN ISO 10540-1	absent
Soap content	AOCS Cc 17-79	not detected
Iodine value, g I ₂ /100 g	SM EN ISO 3961	108 – 118
Saponification value, mg KOH/g	SM EN ISO 3657	171 – 180
Unsaponifiable matter, %	SM EN ISO 18609	≤ 1,0
Specific gravity at 20 °C	SM EN ISO 6883	0,911 – 0,918
Flash point, °C	SM EN ISO 15267	> 240
Sulphur, mg/kg	EN ISO 13032	≤ 5
Erucic acid (C22:1), %	EN ISO 12966-2 / 12966-4	≤ 1,5
Residual solvent (hexane), mg/kg	ISO 9832	< 10

Appearance of Product

Transparent.

The odor and taste: characteristic of refined deodorized rapeseed oil, without foreign odor and taste.

Contaminants, Residues and Safety Parameters

Parameters	Testing method	Result
Lead (Pb), mg/kg	EN ISO 12193	_____
Cadmium (Cd), mg/kg	EN ISO 15774	_____
Mercury (Hg), mg/kg	EN 14627	_____
Arsenic (As), mg/kg	EN 14627	_____
Copper (Cu), mg/kg	EN 14084	_____
Iron (Fe), mg/kg	EN 14084	_____
Benzo(a)pyrene, µg/kg	EN ISO 15753	_____
Sum PAH4 (BaP, BaA, BbF, CHR), µg/kg	EN ISO 15753	_____
3-MCPD and 3-MCPD esters, as 3-MCPD, µg/kg	EN ISO 18363-1	_____
Glycidyl fatty acid esters, as glycidol, µg/kg	EN ISO 18363-1	_____
Mineral oil MOSH C25-C40, mg/kg	ISO 17780	_____
Aflatoxin B1, µg/kg	EN ISO 16050	_____
Zearalenone, µg/kg	LC-MS/MS	_____
Dioxins and dioxin-like PCB, WHO-TEQ, pg/g fat	EN 16215	_____
Sum of 6 ndl-PCB, ng/g	EN 16215	_____
HCH gamma isomer (lindane), mg/kg	EN 12393-1 / -2 / -3	_____
Heptachlor, mg/kg	EN 12393-1 / -2 / -3	_____
DDT, mg/kg	EN 12393-1 / -2 / -3	_____
Chlorpyrifos / Chlorpyrifos-methyl, mg/kg	EN 12393-1 / -2 / -3	_____
Genetically modified material	EN ISO 21569 / 21570	_____
Specific activity ¹³⁷ Cs, Bq/kg	gamma spectrometry	_____
Specific activity ⁹⁰ Sr, Bq/kg	beta spectrometry	_____

We, “DARALEX AGRO SRL”, confirm that the quality, the content of toxic elements, radionuclides, mycotoxins, process contaminants and pesticide residues in this product complies with the requirements of Codex Stan 210 “Low erucic acid rapeseed oil”, with Regulation (EU) 2023/915 and with Regulation (EC) No 396/2005, and can be delivered to the Customer's address. All parameters are determined by the EN and ISO reference methods indicated above.

Stamp

(signature)_____
Name of QC/QA person