

Black Cumin Seeds Oil Specification



Standard Specification	
Acid index, mg KOH/g	≤4,0
Palmitic Acid	12,7 (±0,5)
Palmitoleic Acid	0,21 (±0,05)
Stearic Acid	2,5 (±0,3)
Oleic Acid	22,8 (±0,9)
Linoleic Acid	59,0 (±1,2)
Linolenic Acid	0,19 (±0,04)
Arachinic Acid	0,12 (±0,03)
Eicosanoic Acid	0,24 (±0,05)
Peroxide index, mmol of active oxygen/kg	≤10,0
Iodine value,%	134-165
Unsaponifiable matter,%	≤1,5
Insoluble impurities,%	≤0,05
Moisture and Volatile Matter	≤0,20
Mass fraction of phosphorus-containing substances, %	≤0,4
Soap content, %	≤0,005
Mass fraction of cadmium, mg /kg	≤0,05
Mass fraction of lead, mg /kg	≤0,1
Mass fraction of mercury, mg /kg	≤0,03
Mass fraction of copper, mg / kg	≤0,4
Mass fraction of iron, mg / kg	≤5,0
The specific activity of Cs-137, Bq / kg	≤100,0
The specific activity of Sr-90, Bq / kg	≤30,0
Mass fraction of aflatoxin B1, mg/kg	≤0,005
Heptachlor, mg / kg	not allowed
HCCH gamma isomer, mg / kg	≤0,05
Benz (a) pyrene, µg / kg	≤2
GMO	not allowed

Product Name	UNREFINED BLACK CUMIN SEED OIL
Plant Source	Nigella sativa
Latin name	<i>Nigella sativa</i>
Inophyllum Extract part	Seeds
Origin	Ukraine
Manufacturing place	Kherson region, Oleshkivski district, Molodizhna st. 50, Ukraine

CHARACTERISTICS	
Energy value / caloric content per 100 g of product	3760 kj/898 kcal
Nutritional value per 100 g of the product	Fat is 99.9 g, of which: saturated fats-10,5 g, polyunsaturated fats-71,6 g, monounsaturated fats- 17,4 g, Carbohydrates-0g, Proteins-0 g, Salt -0 g
Extract method	Cold pressing
Taste	Black cumin oil without foreign taste and smell
External appearance	Transparent
Color	Yellow-green in different shades