FOODLINE

VEGETABLE OILS (INTERNATIONAL STANDARD SPECIFICATIONS)

REFINED SUNFLOWER OIL:

Specific density (AT 20c): 0,918 - 0,920
Refractive index (AT 40c): 1.467 - 1.469
Transparency of oil, max: 10 fem
Acidity mg KOH % gm oil max: 0,1 - 0,6
Peroxide value mMol/kg oil max: 0,1 - 0,7
Color value iodine, mg max: 4
Lodine value (WIJS): 110 - 144
Moisture & Volatile % max: 0,06
Saponification value, mg KOH/gm oil: 188 - 194
Phosphorus containing matter (P2O5): Negative
Non-fatty Impurities, % max: Negative
Anti-foaming: 10mg/kg
Anti-crystallization: 1250mg/kg
Soap content: 0,005 max
Insoluble impurities % mass: 0,5 max
Coloring materials, allowed to ad: According to the international standards
Artificial flavors, allowed to ad: According to the international standards
Anti-oxidants: 200mg/kg but gallate not more than 100mg/kg
Preservative agent: According to the international standards
Saponification value. Mg KOH/gm oil_ 188-194
Phosphorus containing matter (P2O5): Negative
Anti-loaming: 10 mg/kg
Anti crystallization: 1250 mg/kg
Soap content: 0,005 max
Unsoluble impurities % max: 0,5 max.

CRUDE SUNFLOWER OIL:

FFA (%) NEN-EN-ISO 660 max 3.0
Moisture (%) NEN-EN-ISO 662 max 0.5
Impurities (%) NEN-EN-ISO 663
Colour Lovibond (51⁄4 inch) NEN 6308
Relative density at 20 oC NEN 6311 Iodine value (g 12/100g) NEN-EN-ISO 3961
Flash point oC - Min 121 oC
Peroxide Value at loading (meq/kg) NEN-EN-ISO 3960
Relative density at 20 Celsius NEN 6311
Lodine value (g 12/100 g) NEN-EN-ISO 3961
Flash point Celsius Min 121 Celsius

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SOYBEAN NON GMO OIL

Specifications: BRAZIL origin:
Protein: 34.5% Basis, 34.0% Min;
Oil: 18.5% Basis, 18.0% Min;
Splits: 20% Basis, 25% Max;
Moisture: 14.0% Max;
Foreign Material: 1% Basis, 2% Max;
Total Damaged Kernels: 8% Max;
Heat Damaged Kernels: 5.0% Max;
Other Standard: Anec 41 Free From Poisonous Seeds And Husks

OIL UKRAINE Origin:

Protein: 33% Min;
Oil content: 17% Min;
Moisture: 13% Max;
Damage beans: 10% Max;
Foreign matter: 2% Max;
Poisonous seed/husks: NONE; Other
Color: 2% Average Radiation: None;
Crop: most recent;
Free of molding, chemicals, pests, or insects

GMO Specifications:

Protein: 34.8% Average
Moisture: 14.6%
Average Foreign Matter: 1% basis: 2 %
Average Poisonous seed/husks: NONE
Oil Content: 19.1 % Basic
Average Total damaged Beans: 3%
Average Weight/Bushel: 55lbs/ bu.-70KG/HL
Average Split: 20% Average
Other Color: 2%

Average Radiation: none Crop: most recent Free of molding, chemicals, pests, or insects This product is "Genetically Modified or Altered". The seeds are Monsanto Company.

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RUSSIA / UKRAINE ORIGIN

REFINED SOYBEAN OIL:

FFA (%) NEN-EN-ISO 660 maximun 0,1
Moisture (%) NEN-EN-ISO 662 maximun 0,05
Impurities (%) NEN-EN-ISO 663 negative
Colour Lovibond (51⁄4 inch) NEN 6308 15Y, 1,5R
Peroxide Value at loading (meq/kg) NEN-EN-ISO 3960 maximun 1.0
Relative density at 20oC NEN 6311 0,91 – 0,93
Iodine value (g 12/100g) Own method 125 – 140

CRUDE SOYBEAN OIL:

FFA (As oleic with a molecular weight of 282): Basis 1.00%, maximum 1.25%
Lecithin (expressed as Phosphorous): Basis 0.020%, maximum 0.025%
Sediment (Gardner Break test): Maximum 0.10%
Impurities (insoluble in petrol ether): Maximum 0.10%
Moisture and Volatile Matter: Maximum 0.20%
Unsaponifiable Matter (test as per N.S.P.A.): Maximum 1.50%
Colour (Lovibond cell 1 inch): Basis not darker than 50 yellow plus 5 red.

CRUDE DEGUMMED SOYBEAN OIL:

Free Fatty Acids (As OLEIC) Molecular Weight 282-Basis: Basis 1.00%, maximun 1.25%
Moisture and Volatile Matter: 0.20% maximun
Density (Specific Weight) at 25 C and 4 C: Minimun 0.9180, maximun 0.9225
Flash Point: More Than 121 (250 F)
Saponification value: Minimun 188, maximun 198
Iodine value WIJS: Minimun 12, maximun 143
Impurities (Insoluble in Petrol Ether): 0.10% maximun
Unsaponifiables Matter (test as per N.O.P.A.): Maximun 1.50 pct.
Sediment (Gardner Break Test): 0.10% maximun
Lecithin (expressed as Phosphorous): 0.02% maximun
Color Index (MG Iodine) (Lovibond Cell 1 inch): 50-60 Yellow and 5-6 Red.
Refractive index at 20 degrees C: 1.505 to 1.512
Halphen reaction: Negative

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RUSSIA / UKRAINE ORIGIN

CRUDE DEGUMMED RAPESEED OIL:

Density(15 °C) Kg/m3: 900-930 DIN: EN ISO 12185
Flash Point P.-M °C: Min. 220 DIN EN ISO 2719
Cinematic Viscosity (40 °C) mm2/s: max. 36,0 DIN EN ISO 3104
Lower cloric value Kj/kg: max. 36.000 DIN 51 900-2
Cetane Number ./.: min. 39 IP 498
Carbon Residue Mass nC. % (m/m): max. 0,40 DIN EN ISO 10370
Iodine Number g Jod/100g: 95-125 DIN EN 14111
Sulphur Content mg/kg: max. 10 DIN EN ISO 20884
Contamination mg/kg: max. 24 DIN EN 12662
Erucic Acid Value mg KOH/g: max. 2,0 DIN EN 14104
Oxidation Stability 110 °C h: min. 6,0 DIN EN 14112
Phosphorus Content mg/kg: max. 12 DIN EN 14107
Content of alkaline earth Metals (Ca+Mg) mg/kg: max. 20 E DIN EN 14538
Oxid Ash Content % (m/m): max. 0,01 DIN EN ISO 6245
Water Content K.-F. mg/kg: max. 750 DIN EN ISO 12937

CRUDE RAPESEED OIL:

Appearance light dust Smell and taste characteristic to rape seed oil
Colored number mg, iodine: max 90 Acid value,mgKOH/g,: max. 6
Moisture and volatile matter, %: max 0.25
Un fat mixture, %: max 0.2
Flash point, °C: min 230
Unsupponification, %: max 1.5
Soap Number mg/KOH: 165-200
Phosphorus matter recounting for stearooleoletsitin,%: max 2.0
Mass of eruk acid, %: max 3.0

Depending on the origin chosen by the buyer, these Specifications may vary slightly from each other. However, these variations will always be within the accepted standards in the international market. - All Specifications will be confirmed at the time of establishing the contract with our Supplier. If for any reason there is any variation in these, they will have to be confirmed with our Buyer through an Addendum to the Draft between the parties (Seller and Buyer). - All prices and quantities, for each operation, will be confirmed with our suppliers.