

REFINED SUNFLOWER OIL SPECIFICATION

Physical and Chemical Analysis:

Acidity (FFA): 0,3 max.
Peroxide Value (meq O₂/kg): 10,0 max.
Soap Content (%): 0,005 max.
Iodine Value (WIJS): 118 - 141
Moisture and Volatile Matter (% at 105oC): 0,2 max.
Saponification Value (mg KOH/g oil): 188 - 194
Unsaponifiable Substances (%): 1,5 max.
Insoluble Substances in Ether (%): 0,05 max.
Refractive Index (at 40oC): 1,461 - 1,468
Specific Weight (at 20oC): 0,910 - 0,920
Saponified Substances: None.
Amount of Phosphorous: None.
Anti-Oxidants: None.
Anti-Foaming: None.
Anti-Crystallization: None.
Halphen Test: Negative.
Mineral Oil Test: Negative.
Sesame Oil Test: Negative.
Cold Test (after 24 hours): Negative.

Heavy Metal Analysis:

Iron (Fe): 1,5 ppm max.
Copper (Cu): 0,1 ppm max.
Lead (Pb): 0,1 ppm max.
Arsenic (As): 0,1 ppm max.

Fatty Acid Compositions:

Miristic Acid C 14:0: 0,1 max
Palmitic Acid C 16:0: 5,0 - 7,6
Palmitoleic Acid C 16:1: 0,3 max.
Heptadecanoic Acid C 17:0: 0,2 max.
Heptadecenoic Acid C 17:1: 0,1 max.
Stearic Acid C 18:0: 2,7 - 6,5
Oleic Acid C 18:1: 14,0 - 39,4
Linoleic Acid C 18:2: 48,3 - 74,0
Linolenic Acid C 18:3: 0,3 max
Arachidic Acid C 20:0: 0,5 max
Erusic Acid C 22:1: None.
Lignoseriic Acid C 24:0: 0,5 max