

## SPECIFICATION

### Crude Sunflower Oil in Bulk

No.	Item		Acceptable Range
1	Fatty Acids Composition (%)	Myristic acid (C14:0)	0 – 0.2
		Palmitic acid (C16:0)	5 – 7.6
		Palmitoleic acid (C16:1)	0 – 0.3
		Stearic acid (C18:0)	2.7 – 6.5
		Oleic acid (C18:1)	14 – 39.4
		Linoleic acid (C18:2)	48.3 – 74
		Linolenic acid (C18:3)	0 – 0.3
		Arachidic acid (C20:0)	0.1 – 0.5
		Gadoleic acid (C20:1)	0 – 0.3
		Behenic acid (C22:0)	0.3 – 1.5
		Erucic acid (C22:1)	0 – 0.3
2	Contaminants (ppm)	Lead (Pb)	Max. 0.1
		Arsenic (As)	Max. 0.1
		Mineral Oil	ND
3	Heavy Metals (ppm)	Iron (Fe)	Max. 5
		Copper (Cu)	Max. 0.4
4	Moisture & Volatile Matter (103 ± 2 °C) (%)		Max. 0.2
5	Refractive Index (40 °C)		1.461 – 1.468
6	Saponification Value (mg KOH/gr Oil)		188 – 194
7	Density (20 °C/ water 20 °C )		0.918 – 0.923
8	Unsaponifiable Matter (gr/kg)		Max. 15
9	Iodine Value (wijs)		118 – 141
10	Free Fatty Acid (% Oleic)		Max. 2.0