



13 January 2017  
Ref. 17SPEC007

**The specifications developed by FEDIOL, in cooperation with its members, are non-binding recommendations developed for the use in the contract of members and non-members.**

### **FEDIOL SPECIFICATIONS FOR GROUNDNUT OIL**

<b>Fatty acids</b>	<b>Specifications</b>
C6:0	ND
C8:0	ND
C10:0	ND
C12:0	ND-0.1
C14:0	ND-0.1
C16:0	5.0 - 14.0
C16:1	ND-0.2
C17:0	ND-0.1
C17:1	ND-0.1
C18:0	1 - 4.5
C18:1	35 - 80
C18:2	4 - 43
C18:3	ND - 0.5
C20:0	0.7-2.0
C20:1	0.7-3.2
C20:2	ND
C22:0	1.5-4.5
C22:1	ND-0.55
C22:2	ND
C24:0	0.5-2.5
C24:1	ND-0.3

ND - non detectable, defined as 0.05%.

<b>Characteristics</b>	<b>Specifications</b>
Relative Density	0.909 - 0.920 X = 20°C
Refractive index	1460 - 1465 (ND 40°C)
Saponification value	187 - 196 (mg KOH/g oil)
Iodine Value	77-107
Unsaponifiable matter (g/kg)	Max 10

<b>Sterols</b>	<b>Specifications</b>
Cholesterol	ND-3.8
Brassicasterol	ND-0.2
Campasterol	12.0 - 19.8
Stigmasterol	9.0 - 15.0
Beta-sitosterol	47.4 - 69.0
Delta-5-avenasterol	4.0-18.8
Delta-7-stigmasterol	ND-5.1
Delta-7-avenasterol	ND-5.5
Others	ND-1.4
Total sterols (mg/kg)	900 - 2900

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