



# TDS Technical Data Sheet

PRODUCT NAME (UE)	POMEGRANATE SEED OIL REFINED
PRODUCT NAME (ITA)	OLIO DI SEMI DI MELOGRANO RAFFINATO
INCI NAME (UE)	PUNICA GRANATUM SEED OIL
INCI NAME (US)	PUNICA GRANTUM (Pomegranate) SEED OIL
CAS NUMBER	84961-57-9
EINECS NUMBER	284-646-0

**Description:** Pomegranate oil is the fixed oil obtained by cold pressing seeds of the pomegranate, *Punica granatum* L., Punicaceae. It consists primarily of the glycerides of the fatty acids. 100% of the ingredients is pomegranate seeds oil, no additives or other ingredients are added into the oil. The production is made by mechanical press without solvent, product is filtered and refined before drumming.

	U.M.	TEST METHODS	RANGE
Physical status at 25 °C	/	Visual	Solid
Acid value	mg KOH/g	AOCS Cd3d-63	≤ 5.0
Refractive index	/	AOCS Tp1a-64	1.510 – 1.525
Saponification value	mg KOH/g	AOCS Cd3-25	180 - 195
Peroxide value	meq O <sub>2</sub> /Kg	AOCS Cd8-53	≤ 8.0
Unsaponifiable matter	%	AOCS Ca6b-53	≤ 2.5
Density at 20 °C	g/cc	ASTM D1298-85	0.935 – 0.950
Colour	/	Visual	Yellow

## Fatty acids composition % (GLC):

Palmitic acid	C16:0	≤ 5.0
Stearic acid	C18:0	1.0 – 5.0
Oleic acid	C18:1	3.0 – 12.0
Linoleic acid	C18:2	3.0 – 9.0
Alpha-Linolenic acid	C18:3	≤ 2.0
Punicic acid	C18:3	60.0 – 85.0
(Isomer α-Linolenic acid)		
Arachidic acid	C20:0	≤ 1.0
Eicosenoic acid	C20:1	≤ 1.0
Others		≤ 10.0

**Shelf-life:** 24 months unopened in original packaging

**Storage:** max. 20 °C, dry, protected from light, adding beneficial nitrogen after opening

Rev. 02 Feb 2018 - Page 1/1