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DIN EN ISO 9001: 2000 &amp; HACCP certified

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## QUALITY SPECIFICATION FOR REFINED SUNFLOWER OIL

PARAMETERS	VALUE	TEST METHOD
<b>I. ORGANOLEPTIC PARAMATERS</b>		
1. Appearance	clear without sediments	
2. Colour	light yellow	
3. Taste and odour	blanc	
<b>II. CHEMICAL PARAMATERS</b>		
1. Colour index (Lovibond) – 5 ¼"	max 1.0 R/9.0 Y	BDS EN ISO 15305
2. Moisture and volatile matters	max 0.03 %	BDS EN ISO 662
3. Relative index at 20°C	0.9165 - 0.9235	BDS EN ISO 6883
4. Acidity as oleic acid	max 0.10 %	BDS EN ISO 660
5. Phosphorous content	max 5 ppm P	BDS EN ISO 10540 - 1
6. Peroxide value	max 4 meqO <sub>2</sub> /kg	BDS EN ISO 3960
7. Iodine value	110 - 143	BDS EN ISO 3961
8. Saponification value	188 - 195	BDS EN ISO 3657
9. Refractive index	1.4735 - 1.4755	BDS EN ISO 6320
10. Unsaponifiable matters	max 0.7 %	BDS EN ISO 3596
11. Waxes content	max 4 ppm	Cold test AOCS CC 11 - 53
12. Mineral oil content	Not allowed	BDS EN ISO 5508
13. Fatty acid content		
Palmitic acid – C16:0	% of the total fatty acid content	5.5 - 8.5
Stearic acid – C18:0		3 - 5.5
Oleic acid – C18:1		20 - 40
Linoleic acid – C18:2		40 - 70
Linolenic acid – C18:3		0.5 - 1.5