

Food Beverage and Tobacco Products UNSPSC Code 50000000												
; UNSPSC Code												
; UNSPSC Code:												
Commodity-Sunflower oil; UNSPSC Code :												
Selling Unit : mass- Liters												
Sr. No.	Parameters	Type	Value 1	Value 2	Value 3	Value 4	Validation / Remarks	Unit	M	F	G	Demand Aggregation
Physical Characteristics												
1	Types	Ch	Semi-refined Sunflower Oil — Sunflower Oil obtained by the process of solvent extraction which has been neutralized with alkali, without or with bleaching with bleaching earth or activated carbon or both, no other chemical agents being used.	Refined Sunflower Oil — Sunflower Oil obtained by the process of expression or solvent extraction which has been neutralized with alkali, bleached with bleaching earth or activated carbon or both, and deodorized with steam, no other chemical agents being used.					v	v		
2	The material shall be obtained from good quality sunflower seed cake or from undamaged, mature sunflower seeds from the plant Helianthus annuus Linn., fam. Compositae. by a process of solvent extraction or from sunflower seeds by the process of expression.	Ch	Yes						v			

3	The solvent extracted oil shall be obtained from the oleaginous material using solvent hexane conforming to IS : 3470-1966.	Ch	Yes						v			
4	The material shall be clear and free from adulterants, sediment, suspended and other foreign matter, separated water, and added colouring and flavouring substances. The material shall have acceptable taste and odour and when tested as prescribed in 20 of IS : 548 (Part I)-1964 the peroxide value of the oil shall not exceed 10. It may contain permitted antioxidants in quantities prescribed under the Prevention of Food Adulteration (PFA) Rules of the Government of India.	Ch	Yes						v			
5	The clarity of the material shall be judged by the absence of turbidity after keeping the filtered sample at 30°C for 24 hours.	Ch	Yes						v			
6	Admixture with Other Oils — The material shall be free from admixture with other oils, when tested according to the methods prescribed in IS : 548 (Part II)-1974	Ch	Yes						v			
Specific Requirements												
6	The product shall not contain aflatoxin, more than 5 µg/kg	Ch	Yes						v			

7	The pesticide residues, if any, shall not exceed the tolerance limits as prescribed in the Prevention of Food Adulteration Act, 1954 and Rules made thereunder	Ch	Yes						√			
8	Only permitted antioxidants not exceeding the quantities specified against each as prescribed under the Prevention of Food Adulteration Act, 1954 and Rules made thereunder, shall be used, if required.	Ch	Yes						√			
9	Lead, mg/kg, Max	N	5.00						√			
10	Arsenic, mg/kg, Max	N	0.50						√			
11	Cadmium, mg/kg, Max	N	1.00						√			
12	Mercury (total), mg/kg, Max	N	0.25						√			
Requirements												
13	Moisture and insoluble impurities, percent by mass, Max	N	0.10	0.25					√	√		
14	Colour in a 1-in cell on the Lovibond scale expressed as Y +5R, not deeper than	N	5.00	10.00					√			
15	Refractive index at 40°C	N	1.465 to 1.480						√	√		
16	Saponification value	N	188 to 194						√	√		
17	Iodine value (Wijs)	N	100 to 140						√	√		
18	Acid value, Max	N	0.50	0.75					√	√		
19	Unsaponifiable matter, percent by mass, Max	N	1.50	2.00					√	√		

20	Flash point, Pensky Martens (closed), °C, Min	N	100	125	250				v	v		
Packing												
21	The material shall be supplied in suitably sealed and well-closed containers, as agreed to between the purchaser and the supplier.	Ch	Yes						v			
22	For ECO Mark the product shall be packed in such packages which are made from recyclable (that is which can be re-processed to manufacture any useful product) or biodegradable materials.	Ch	Yes						v			
23	Packing size (in Litres)	Ch	1	2	5	10		Litres	v	v		
Marking												
24	The containers shall be marked with the following particulars: a) Name and grade of the material; b) Net mass of the material; c) Manufacturer's name and/or his recognized trade-mark, if any; d) Batch No. or lot No. in code or otherwise; and e) Month and year of manufacture	Ch	Yes						v			
25	Each container may also be marked with the Standard Mark	Ch	Yes	No					v	v		
Shelf Life												
26	Shelf Life	N	1						v	v		
Certification												
27	Compliance to FSSAI Standards	Ch	Yes						v			

28	FSSAI License Number for Manufacturing	Ch	Text						√			
29	FSSAI License Number for Reselling	Ch	Text						√			
30	Conformity to BIS specifications 4277 (Latest)	Ch	Yes						√			
31	BIS License number, if ISI Marked	Ch	Text	NA					√	√		
32	Whether ISI marked	Ch	Yes	No					√	√		
Test Report Details												
33	Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification	Ch	Yes	No					√	√		
34	Test Report to be submitted to the Buyer on Demand write NA if Test report is not available	Ch	Yes	NA					√	√		