

Specification for Palm Olein

REQUIREMENTS

3.2.2 Description - The material shall be the liquid fraction derived from the fractionation of palm oil obtained from the fleshy mesocarp of the fruits of the oil palm (*Elaeis guineensis*) trees by process of expression.

3.2.3 The material shall be clear and free from adulterants, sediments, suspended and other foreign matter, separated water, and added colouring or flavouring substances and shall have acceptable test and odour. It may contain permitted antioxidants in specified quantities as prescribed in BDS 1012:2007, Amendment-1, 2010**.

3.2.4 The clarity of the material shall be judged by the absence of turbidity after keeping the filtered sample at 40 °C for 24 hours.

3.2.5 Admixture with other oils - The material shall be free from admixture with mineral or other oils of vegetable or animal origin when tested according to the methods prescribed in BDS 1584:1997*.

3.2.6 The material shall also comply with the requirements given in Table-1.

TABLE-1 REQUIREMENTS FOR FORTIFIED PALM OLEIN

s). NO.	CHARACTERISTIC	REQUIREMENTS	METHOD OF TEST REF. TO 1584:1997*
(Ij)	(2)	(3)	(4)
i)	Moisture and insoluble impurities, percent by mass, Max.	0.1	4 and 5
ii)	Colour in a 5.25 inch cell on lovibond scale expressed as Y+SR a) Minimum b) Maximum	a) R=1.5 Y=15 b) R=3 Y=30	4
iii)	Refractive index at 40 °C	1.455 to 1.4610	2
iv)	Saponification value (as KOH) mg/g	195 to 205	14
v)	Iodine value	56 to 61	13
vi)	Acid value (as KOH)	0.5	6
VU)	Unsaponifiable matter, percent by mass, Max.	1.2	7
viii)	Peroxide value, millequivalents of oxygen/kg, Max.	10	18
ix)	Mehing point (°C)	24	8
x)	Vitamin A, mg/kg	15-30	Appendix B of BDS 1770*