

Trading Corporation of Bangladesh
TCB Bhaban,1 Kawran Bazar, Dhaka-1215

SPECIFICATION FOR CANOLA OIL

Description-The material shall be obtained from clean and sound low erucic acid oil bearing canola seeds (*Brassica napus* and *B. campestris*) by a process of expression or extraction, it shall be clear and free from adulterants, sediment, suspended and other foreign matters.

3.4 The material shall also comply with the requirements given in Table 1

TABLE 1. REQUIREMENTS FOR CANOLA OIL

SL No	Characteristic	Requirements	Method of Test Ref	
			CL. No. of BDS 909:1979*	CL. No. of BDS 56:1961*
1	2	3	4	5
i.	Free Fatty acid as oleic acid), percent by mass. Max	0.30	-	6
ii.	Moisture & Impurities. percent by mass, Max	0.10	-	4 & 6
iii.	Peroxide value, milliequivalents per kg Max	2.0	-	18
iv.	Unaponifiable matter g/kg, Max	15	-	7
v.	Saponification value (as KOH).	182-193	-	14
vi.	Refractive Index at 40°C	1.465-1.467	-	9
vii.	iodine value (Wijs)	110-126	-	13
viii.	Crismer Value, °C	67-70	-	-
ix.	Relative density at 20/20°C	0.914-0.920	-	10
x.	Erucic acid. percent by mass. Max	2.00	-	***
xi.	Lovibond colour (133.4 mm cell) or 5 cell	1.8R - 18Y	-	12
xii.	Allyl isothiocyanate percent by mass, Max	Nil	-	16
xiii.	Iron (Fe), ppm. Max	1.5	A	-
xiv.	Copper (Cu), ppm. Max	0.1	B	-
xv.	Lead (pb), (ppm), Max	0.1	C	-
xvi.	Arsenic (As), ppm, Max	0.1	D	-
xvii.	Phosphorous, ppm. Max	1.00%	-	***
xviii.	Vit A. IU/kg	33.000	Appendix J of BDS 739:1986	-

3.2 Admixture with other oils and fats-The material shall be free from admixture with other oils and fats when tested according to the methods prescribed in Cl. No. 17 of BDS 56:1961.

3.3 Hygienic Requirements-The material shall be manufactured and handled according to the hygienic requirements as prescribed in BDS 822:1975**.

Crop year

1. Permitted Food Additives

4.1 Addition of the following food additives to the materials not exceeding the prescribed levels are permitted:

Antioxidants	Maximum Level mg/kg
Butylated hydroxytoluene (BHT) or butylated hydroxyanisole (BHA), or a mixture thereof, or any combination of gallates with BHA or both, but gallates not to exceed the prescribed limit.	200
Natural and synthetic tocopherols	Not limited
Dilauryl thiodipropionate	200