

## ECOMARK CRITERIA FOR FOOD ITEMS

### Part I: Edible Oils, Tea and Coffee

(The Gazette of India, Extraordinary, Part II-Section 3(i), No. 376, Sep. 6, 1994)

#### General Requirements:

- All formulation of edible oils, tea and coffee shall meet relevant standards of Bureau of Indian Standards pertaining to quality.
- The product manufacturers must produce the consent clearance as per the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and Control of Pollution) Act, 1981 and Water (Prevention & Control of Pollution) Cess Act, 1977, respectively along with the authorisation, if required, under Environment (Protection) Act, 1986 and rules made thereunder to Bureau of Indian Standards while applying for ECOMARK : and the product shall be in accordance with the Prevention of Food Adulteration Act 1954 and the rules made there under unless otherwise specified. Additionally, in case of Vanaspati, the manufacturer shall comply with the provisions under Vegetable Oil Products Control Order 1975 issued by the Director of Vanaspati, Ministry of Civil Supplies, Government of India.
- The product must display a list of critical ingredients in descending order of quantity present (C/o. W/W, or V/V). The list of such Ingredients shall be identified by Bureau of Indian Standards.
- The product packaging may display in brief the criteria based on which the product has been labelled environment friendly.
- The material used for product packaging shall be recyclable (i.e. which can be reprocessed to manufacture any other useful product) or biodegradable and the parameters evolved under the SLEFP (scheme on labelling of environment-friendly products) on the specific subject of packaging shall apply.

#### Product Specific Requirements:

##### Edible Oils (Category 1: Raw and Refined Edible Vegetable Oil)

(i)	The product shall not contain aflatoxin more than 5 ppb.
(ii)	The pesticide residues (if any), in the product shall not exceed the limits as prescribed in Food Safety and Standards Act, 2006 and rules made thereunder.
(iii)	The toxic metal concentration (if any) shall not exceed the following limits : <b>Toxic Metals Concentrations</b> Lead 5.0 ppm Arsenic 0.5 ppm Cadmium 1.0 ppm

	Mercury 0.25 ppm
(iv)	Antioxidants as permitted under Food Safety and Standards Act, 2006 in specified quantities shall be used.
(v)	Shelf life shall be declared and marked by the manufacturer.

**The following BIS standards have incorporated the Ecomark requirements:**

<b>Indian Standards</b>	<b>Year of Incorporation</b>	<b>Description</b>
IS 75:1973 Reaffirmed Year 2010	1995	Linseed oil, raw and refined
IS 435:1973 Reaffirmed Year 2010	1995	Castor oil (second revision)
IS 542:1968 Reaffirmed Year 2009	1995	Coconut oil (second revision)
IS 543:1968 Reaffirmed Year 2009	1995	Cottonseed oil (second revision)
IS 544:2014	1995	Groundnut oil (second revision)
IS 545:1984, Reaffirmed Year 2009	1995	Mahua oil
IS 546:2014	1995	Mustard oil
IS 547:1968 Reaffirmed Year 2009	1995	Sesame oil
IS 3448: 2014	1995	Rice bran oil
IS 3490:1965 Reaffirmed Year 2009	1995	Nigerseed oil
IS 3491:1965 Reaffirmed Year 2009	1995	Safflower oil
IS 4055:1966 Reaffirmed Year 2009	1995	Maize (corn) oil
IS 4276: 2014	1991	Soyabean oil
IS 4277: 2014	1995	Sunflower oil
IS 5637:1970, Reaffirmed Year 2009	1995	Watermelon seed oil
IS 7375:1979 Reaffirmed Year 2009	1995	Salseed
IS 8323:1977 Reaffirmed Year 2010	1995	Palm oil
IS 8361:2014	1995	Palmolein
IS 8591:1980 Reaffirmed Year 2009	1995	Kokum fat

IS 8879:1980 Reaffirmed Year 2009	1995	Dhupa fat
IS 9231:1979 Reaffirmed Year 2009	1995	Mango kernel fat
IS 11069:1984 Reaffirmed Year 2010	1995	Refined, bleached hydrogenated, Winterized and de-odourized (RBHWD) Soyabean oil
IS 13680:1993 Reaffirmed Year 2010	1995	Imported rapeseed oil

### **Vanaspati (Category 2: Hydrogenated Vegetable Oil)**

<b>(i)</b>	Nickel concentration in the product shall not exceed 0.5 part per million.
<b>(ii)</b>	The product shall be free from obnoxious chemicals
<b>(iii)</b>	The toxic metal concentration (if any) shall not exceed the following limits : <b>Toxic Metals Concentrations</b> Lead 5.0 ppm Arsenic 0.5 ppm Cadmium 1.0 ppm Mercury 0.25 ppm
<b>(iv)</b>	Shelf life shall be declared and marked by the manufacturer.
<b>(v)</b>	Only permitted antioxidants under Food Safety and Standards Act, 2006 shall be used, if required.

**The following BIS standard has incorporated the Ecomark requirements:**

<b>Indian Standards</b>	<b>Year of Incorporation</b>	<b>Description</b>
IS 10633:1999 Reaffirmed Year 2009	1994	Vanaspati

### **Tea**

<b>(i)</b>	Product shall be free from adulterants like spent tea leaves, grit, sand, leaves of other plants.
<b>(ii)</b>	Product shall be free from off-odour and shall have its characteristic flavour.
<b>(iii)</b>	Lead content shall not exceed 6.5 ppm.
<b>(iv)</b>	The product shall be free from any added colouring and no extraneous flavour shall be added, however, for exports this may be allowed as per the provisions of Food Safety and Standards Act, 2006 and rules made thereunder.
<b>(v)</b>	Product shall be free from mould growth.
<b>(vi)</b>	The pesticides residues (if any) shall not exceed the limits as specified in the Food Safety and Standards Act, 2006 and Rules made there under.

The following BIS standards have incorporated the Ecomark requirements:

Indian Standards	Year of Incorporation	Description
IS 3633:2003, Reaffirmed Year 2008	1995	Black Tea

### Coffee

(i)	Coffee beans shall be free from infestation due to insect, fungus and rodents.
(ii)	Product shall be free from any extraneous matter like strings, stone, dirt, wood, glass and metallic pieces.
(iii)	Product shall be free from any added colouring, flavouring and also free from rancidity and should have its characteristic flavour.
(iv)	Product shall be free from adulterants like dandelion and other roots, acorns, fig, date, stones and cereals.
(v)	Product shall be free from mould growth.
(vi)	The pesticides residues (if any) shall not exceed the limits as specified in the Food Safety and Standards Act, 2006 and Rules made thereunder.

The following BIS standards have incorporated the Ecomark criteria:

Indian Standards	Year of Incorporation	Description
IS 2791:1992 Reaffirmed 2009	1995	Soluble coffee powder with Ecomark
IS 3077:1992 Reaffirmed 2011	1995	Roasted and ground coffee
IS 3309:1992 Reaffirmed 2009	1995	Soluble coffee chicory powder
IS 3581:1982 Reaffirmed 2012	1995	Grading for green coffee
IS 3802:1992 Reaffirmed 2009	1995	Roasted coffee chicory powder

Source: [http://cpcb.nic.in/EnvironmentalPlanning/Eco-label/food\\_items.pdf](http://cpcb.nic.in/EnvironmentalPlanning/Eco-label/food_items.pdf)