

bleaching earth and/or
activated carbon. No other
chemical shall be used.

1.0	Neg.	--	--	Linseed oil shall be obtained by a process of expressing clean and sound linseed (<i>Linum usitatissimum</i>) only.	The oil shall be clear and free from rancidity, adulterants, sediments, suspended and other foreign matter or oils. It shall also be free from separated water and colouring or flavouring substances.
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* In the absence of Lovibond Tintometer, the colour shall be matched against standard colour comparators.

** Containers of Linseed oil of Semi-refined shall be suitable marked 'For Non-edible uses only'.

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SCHEDULE-VI (See Rules 3 and 4)

Agmark grade designation and definition of quality of Castor Oil

Definition of Quality

Grade Designation	Moisture and impurities percent by weight (maximum)	Colour on Lovibond scale expressed as Y + 5R (maximum)	Specific gravity at 30°C/30°C	Refractive Index at 40°C	Clarity in height of column of oil in cms. through which Bourgoise print can be read in 100 ml. nessler tube
1	2	3	4	5	6
Medicinal	0.25	3.5 (in 1" cell)	0.954 to	1.4700 to	10.0

0.960

1.4740

Optical rotation at 19.5° to 20.5° on 1. dm thickness (min.)	Critical solution temperature in alcohol (below)	Saponification Value	Iodine value (Wij's method)	Definition of quality	
				Acid value (maximum)	Acetylene value (minimum)
7	8	9	10	11	12
+ 3.5°	0°C	176 to 187	82 to 90	2.0	143

Unsaponifiable matter
percent by weight (max.)
13

Description

14

General Requirements

15

0.8

The oil shall be the refined fixed oil
obtained by cold expression of
Caster Seed (*Ricinus communis*)

The oil shall be clear and free from admixture with
other oils or substances and also free from sediments,
suspended matter, added colouring and flavouring
substances.

Solubility - The oil shall be soluble in 2.5 parts of ethyl
alcohol (95% V/V). Further it shall be miscible with
absolute ethyl alcohol with chloroform with solvent
ether and with glacial acetic acid.

Identification :- The oil shall be miscible with half its volume of light petroleum (boiling range 40° to 60°C) and is only partially soluble in two volumes.

1	2	3	4	5	6	7	8	9	10	11	12
Firsts Special	0.25	3.7 (in 1" cell)	0.954 to 0.960	1.4700 to 1.4740	10.0	--	0°C	176 to 187	82 to 90	2.0	143
Commercial Grade-I	0.75	30.0 (in 1/4" cell)	0.954 to 0.960	1.4700 to 1.4740	5.0	--	--	176 to 187	82 to 90	4.0	143
Commercial Grade-II	1.00	40.0 (in 1/4" cell)	0.954 to 0.960	1.4700 to 1.4740	---	--	--	176 to 187	82 to 90	6.0	143

13	14	15
0.8	The oil shall be the refined fixed oil obtained from castor seed (Ricinus communis)	The oil shall be clear and free from admixture with other oils or substances and also free from sediments, suspended matter, added colouring and flavouring substances.
1.0	The oil shall be fixed oil obtained from castor seed (Ricinus communis)	The oil shall be free from admixture with other oils or substances and also free from sediments and suspended matter.
1.0	The oil shall be fixed oil obtained from castor seed	The oil shall be free from admixture with other oils or

(Ricinus communis)

substances and also free from sediments and suspended matter.

NOTE : * Permission for grading Medicinal grade castor oil shall be granted to only such packers who own an oil crushing and refining plant for extracting castor oil in cold and refining the same and satisfy the conditions prescribed under the instructions issued from time to time in this behalf.

TOP

SCHEDULE-VII
(See Rules 3 and 4)

Agmark grade designation and definition of quality of Niger Seed Oil

Definition of Quality

Grade Designation	Moisture and insoluble impurities percent by weight (not more than)	Colour on Lovibond scale* in 1/4" cell, expressed as Y + 5R (not deeper than)	Specific gravity at 30°C/30°C	Refractive Index at 40°C	Saponification value	Iodine value (Wij's method)	Unsaponifiable matter percent by weight (not more than)
1	2	3	4	5	6	7	8
Refined	0.10	8	0.917 to 0.920	1.4665 to 1.4691	189 to 193	110 to 135	0.8
Grade-I	0.25	15	0.917 to 0.920	1.4665 to 1.4691	189 to 193	110 to 135	1.0

* In the absence of Lovibond Tintometer, the colour shall be matched against standard colour comparator.

** In the case of solvent-extracted oil, the flash point by Pensky-Martens (closed-cup) method, shall not be less than 250 °C and the container shall be marked "Solvent Extracted"