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Indian Standard GRADING FOR KUSUM SEEDS FOR OIL MILLING

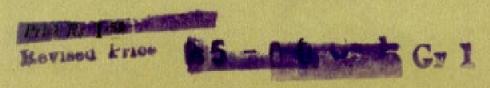
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INDIAN STANDARDS INSTITUTION

MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG NEW DELHI 1



November 1969

Indian Standard

GRADING FOR KUSUM SEEDS FOR OIL MILLING

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Indian Standard GRADING FOR KUSUM SEEDS FOR OIL MILLING

0. FOREWORD

- **0.1** This Indian Standard was adopted by the Indian Standards Institution on 18 September 1969, after the draft finalized by the Oils and Oilseeds Sectional Committee had been approved by the Chemical Division Council and the Agricultural and Food Products Division Council.
- **0.2** KUSUM seeds are obtained from the tree cultivated in the eastern parts of India to serve as the host tree for the lac insects for the production of stick lac. KUSUM tree is also known in Indian languages as KUSUMB, KOSAM PAKRA, POOMARAM, POOVAM and POSUKU. KUSUM oil is largely used for soap making.
- **0.3** The oil obtained from KUSUM seeds is covered in IS:4088-1966*.
- **0.4** The standard contains clause **4.1** which calls for agreement between the purchaser and the supplier.
- 0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS:2-1960. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard prescribes the methods of grading and requirements for KUSUM seeds for oil milling, along with the relevant methods of sampling and test.

2. TERMINOLOGY

2.1 For the purpose of this standard, the definitions given under 2 of IS:3579-1966; shall apply.

^{*}Specification for KUSUM oil.

[†]Rules for rounding off numerical values (revised).

[‡]Methods of test for oilseeds.

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3. REQUIREMENTS

- 3.1 The material shall be derived from tree Schleichera oloosa (Lour.) Merr. Syn. S. trijuga Willd., fam. Sapindaceae.
- 3.2 The material shall be clean and free from foreign matter, dirt and oilseeds other than KUSUM seeds.
- **3.3** The material shall also comply with the requirements given in Table 1.

TABLE 1 REQUIREMENTS FOR KUSUM SEEDS FOR OIL MILLING

SL No.	Characteristic	Requirement	METHOD OF TEST REF TO CL NO. IN IS: 3579-1966*
(1)	(2)	(3)	(4)
i)	Shrivelled, immature and damaged seeds, percent by weight, Max	4.0	4
ii)	Moisture content, percent by weight, Max	6.0	5.1
iii)	Oil content (moisture free basis), percent by weight, Min	38.0	5.2
iv) *M	Acid value of extracted oil, Max ethods of test for oilseeds.	10.0	5.3

4. PACKING

4.1 The material shall be supplied packed in clean, sound hessian bags as agreed to between the purchaser and the supplier.

5. MARKING

5.1 The bags shall be marked with the name and weight of the material in the bag; the year of the crop and the source of supply.

6. SAMPLING

6.1 Representative samples of the material shall be drawn as prescribed in IS:4115-1967*.

7. TESTS

- 7.1 Tests shall be carried out as prescribed in IS: 3579-1966.
- 7.2 Quality of Reagents Unless specified otherwise, pure chemicals and distilled water (see IS:1070-1960;) shall be employed in the tests.

Note — 'Pure chemicals' shall mean chemicals that do not contain impurities which affect the results of analysis.

^{*}Methods for sampling of oilseeds.

[†]Methods of test for oilseeds.

Specification for water, distilled quality (revised).

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