

Indian Standard
SPECIFICATION FOR CHILLI POWDER
(*First Revision*)

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INDIAN STANDARDS INSTITUTION
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NEW DELHI 110002

Indian Standard

SPECIFICATION FOR CHILLI POWDER

(*First Revision*)

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(Continued on page 2)

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IS : 2445 - 1984

(Continued from page 1)

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Indian Standard
SPECIFICATION FOR CHILLI POWDER
(*First Revision*)

0. F O R E W O R D

0.1 This standard (First Revision) was adopted by the Indian Standards Institution on 20 July 1984, after the draft finalized by the Spices and Condiments Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 This standard was originally issued in 1963. With the publication of IS : 1797-1973* the need to update the standard has been felt. The present revision includes the methods of test for pungency which is specific to chilli.

0.3 Chillies (*lal mirchi*) are one of the important and commonly used materials for spicing in the Indian dietary, and are also one of the important commodities exported from India. They are marketed as dry whole pods as well as in powder form. A separate standard has been formulated for chillies marketed as whole pods. This standard is for chilli powder. There may be different grades of the material depending on quantity. For the present only one grade has been specified.

0.4 This standard takes into consideration the prevailing methods of trade and the requirements specified in the Rules framed under the *Prevention of Food Adulteration Act*, 1954 and is subject to the provision imposed under the Act, wherever applicable.

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 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.

*Method of sampling and test for spices and condiments.

†Rules for rounding off numerical values (*revised*).

1. SCOPE

1.1 This standard prescribes the requirements for chilli (*lal mirchi*) powder.

1.2 This standard does not cover dry whole chillies.

2. REQUIREMENTS

2.1 Description — The chilli (*lal mirchi*) powder shall be prepared by grinding clean dry chillies, ripe berries of various cultivated varieties of chillies [*capsicum frutescens* L./*Capsicum annum* L. (see IS : 2322-1984*)].

2.2 Colour, Taste and Flavour — The chilli powder shall have its characteristic red colour pungent taste and flavour. It shall be free from musty and rancid odour. It shall be free from extraneous matter, added colouring matter, oils, flavouring matter and preservatives.

2.3 Freedom from Moulds, Insects, etc — The chilli powder shall be free from dirt, mould growth and insect infestation and/or fungus contamination.

2.4 Fineness — The chilli powder shall be ground to such a fineness that all of it passes through a 500- μ m IS Sieve [see IS : 460 (Part 2)-1978†] and nothing remains on the sieve.

2.5 The chilli powder shall also comply with the requirements given in Table 1.

TABLE 1 REQUIREMENTS FOR CHILLI POWDER

| Sl. No. | CHARACTERISTICS | REQUIREMENTS | METHOD OF TEST | |
|---------|---|--------------|--------------------------------|------------------------------|
| | | | Appendix in IS : 2322-1984* | Cl No. in IS : 1797-1973† |
| (1) | (2) | (3) | (4) | (5) |
| i) | Moisture, percent by mass, <i>Max</i> | 10.0 | — | 6 |
| ii) | Scoville index, <i>Min</i> | 24 000 | A | — |
| iii) | Total ash, percent by mass, <i>Max</i> | 8.0 | — | 7 |
| iv) | Acid insoluble ash, percent by mass, <i>Max</i> | 1.3 | — | 9 |
| v) | Crude fibre, percent by mass, <i>Max</i> | 30.0 | — | 13 |
| vi) | Non-volatile ether extract, percent by mass, <i>Min</i> | 12.0 | — | 14 |

*Specification for chillies, whole.

†Methods of sampling and test for spices and condiments (*first revision*).

*Specification for chillies, whole (*first revision*).

†Specification for test sieves : Part 2 Perforated plate test sieves (*second revision*).

2.6 The chilli powder shall be manufactured and packed under hygienic conditions.

3. PACKING AND MARKING

3.1 Packing — The chilli powder shall be packed in clean and sound jute cloth or paper cartons in all cases with a polyethylene liner of 300 gauge, or in tin-plate or glass containers or laminated aluminium foil packs or cellophane bags. If a polyethylene liner is used in tin-plate containers, it may be of 150 gauge. The containers shall be free from any fungal or insect infestation and shall be free from any undesirable smell.

3.1.1 A suitable number of small containers may be packed in wooden or cardboard cases.

3.2 Marking — The following particulars shall be marked or labelled on each container:

- a) Name of the material and the trade-name or brand name, if any;
- b) Name and address of the manufacturer;
- c) Batch or code number;
- d) Net mass;
- e) Date of packing; and
- f) Country of origin.

3.2.1 If the containers are packed in cases, each case shall also be marked with the particulars (a) to (f) in **3.2**.

4. SAMPLING AND TEST

4.1 Representative samples of the material shall be drawn conforming to this specification as prescribed in **3** of IS : 1797-1973*. The sample of chilli powder shall be tested for ascertaining conformity of the material to the requirement of this specification by the methods of test given in **6, 7, 9, 13** and **14** of IS : 1797-1973* and in Appendix A of IS : 2322-1984†.

*Method of sampling and test for spices and condiments.

†Specification for chillies.

INDIAN STANDARD

ON

SPICES AND CONDIMENTS

IS:

| | |
|-----------|---|
| 1798-1982 | Black pepper, whole and ground (<i>first revision</i>) |
| 1877-1973 | Terminology for spices and condiments (<i>first revision</i>) |
| 1907-1966 | Cardamom (<i>revised</i>) |
| 1908-1980 | Ginger, whole and ground (<i>first revision</i>) |
| 1909-1961 | Curry powder |
| 2322-1963 | Chillies |
| 2323-1983 | Mustard whole and ground (<i>first revision</i>) |
| 2443-1963 | Coriander, whole (<i>first revision</i>) |
| 2444-1982 | Coriander, powder (<i>first revision</i>) |
| 2445-1963 | Chilli powder |
| 2446-1980 | Turmeric, powder (<i>first revision</i>) |
| 2447-1980 | Cumin, whole (<i>first revision</i>) |
| 3576-1966 | Turmeric, whole |
| 3795-1966 | Fenugreek, whole |
| 3796-1966 | Fennel seeds, whole |
| 3797-1966 | Celery seeds |
| 4403-1979 | Ajowan (<i>first revision</i>) |
| 4404-1975 | Cloves, whole and powder (<i>first revision</i>) |
| 4452-1967 | Dehydrated onion |
| 4811-1968 | Cinnamon, whole |
| 5452-1969 | Dehydrated garlic |
| 5453-1980 | Saffron (<i>first revision</i>) |
| 5832-1975 | Black pepper oleoresin (<i>first revision</i>) |
| 5955-1970 | Tamarind concentrate |
| 6364-1979 | Tamarind pulp (<i>first revision</i>) |
| 7807-1975 | Methods of test for Asafoetida |
| 7826-1975 | Ginger oleoresin |
| 9345-1979 | Oleoresin of capsicum (chillies) |
| 9486-1980 | Dehydrated green pepper |



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