

Turmeric (Grading and Marking) Rules, 1964

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Turmeric (Grading and Marking) Rules, 1964

In exercise of the powers conferred by Section 3 of the Agricultural Produce (Grading and Marking) Act, 1937 (1 of 1937), the Central Government hereby makes the following rules, the same having been previously published as required by the said section namely :-

1. Short title and application :-

- (1) These rules may be called the Turmeric (Grading and Marking) Rules, 1964.
- (2) They shall apply to turmeric, both in whole and powder form produced in India.

2. Definitions :-

In these rules,-

- (1) "Agricultural Marketing Adviser" means the Agricultural Marketing Adviser to the Government of India.

(2) "Schedule" means a Schedule appended to these rules.

3. Grade designation :-

The grade designations to indicate the quality of turmeric shall be as set out in column 1 of Schedules II, II-A, II-B, III, III-A, IV and IV-A.

4. Definition of quality :-

The quality indicated by the respective grade designations shall be as set out against each grade designation in columns. 2 to 7 in Schedule II and Schedule II-A, and in columns 2 to 8 in Schedule II-B, in columns 2 to 4 in Schedule III and Schedule III-A and in columns 2 to 8 in Schedule IV-A.

5. Grade designation marks :-

(i) The grade designation mark in the case of turmeric (fingers, bulbs and powder) packed in polythene and/or paper bags shall consist of a design incorporating the number of the Certificate of Authorisation, the word "AGMARK" and the Grade approved by the Agricultural Marketing Adviser to the Government of India.

(ii) The grade designation mark in the case of turmeric powder packed in tin or glass containers shall consist of a paste-on label specifying the grade designation and bearing the design of a map of India with the word "AGMARK".

(iii) The grade designation mark in the case of turmeric (fingers, bulbs and powder) packed in containers of jute or cloth as well as in containers in which sealed polythene bags of graded turmeric (fingers, bulbs and powder) are packed shall consist of a label specifying the grade designation and bearing in design (consisting of an outline map of India with the word "AGMARK" and the figure of the rising sun with the words "Produce of India" and resembling the one as set out in Schedule I.

6. Method of marking :-

(i) The grade designation mark shall be securely affixed to or printed on each container in a manner approved by the Agricultural Marketing Adviser.

(ii) In addition to the above, the following particulars shall also be clearly and indelibly marked on each container :

(a) date of packing in code or plain letters,

(b) lot number, and

(c) net weight.

(iii) An authorised packer may, after obtaining the prior approval of the Agricultural Marketing Adviser, mark his private trade mark on a

container, in a manner approved by the said officer, provided that the private trade mark does not represent a quality or grade different from that indicated by the grade designation mark affixed to the container in accordance with these rules.

7. Method of packing :-

(1) Only sound, clean and dry containers, such as may be prescribed by the Agricultural Marketing Adviser, shall be used for packing which shall be free from any insect infestation or fungus contamination and also be free from any undesirable smell.

(2) The containers shall be securely closed and sealed in a manner approved by the Agricultural Marketing Adviser.

(3) Each package shall contain turmeric of one grade designation only.

8. Special conditions of certificate of authorisation :-

In addition to the conditions specified in rule 4 of the General (Grading and Marking) Rules, 1937, the following special conditions shall be observed by the packers to the satisfaction of the Agricultural Marketing Adviser, namely :-

(1) An authorised packer shall make such arrangements for testing turmeric as may be prescribed, and samples thereof shall be forwarded to such control laboratories as may be specified from time to time by the Agricultural Marketing Adviser.

(2) An authorised packer shall provide all facilities to the inspecting officers duly authorised by the Agricultural Marketing Adviser in this behalf, for sampling, testing and such other matters as may be necessary.

SCHEDULE 1

SCHEDULE I

(See rule 5) Design for the grade designation mark. NOTE-The Tamil and Telugu words will not occur in the labels in case where commodities are graded for purposes of export.

SCHEDULE 2

SCHEDULE II

(See rules 3 and 4)						
Grade designations and definitions of quality of turmeric "Fingers" produce in India (for varieties other than						
Alleppn variety)						
Grade		Special characteristics				General characteristics
desig						
nation	Flexibility	"Pie	For	Chura	Percent	

		ces per centage	align ment	and defe	age of bulbs	
		by	percent	ctive	by	
		weight	age by	bulbs	weight	
		maxi	weight	percent	maxi	
		mum	maxi	tage	mum	
			mum	by		
				weight		
				maximum		
1	2	3	4	5	6	7
Special	Should be	2	1.0	0.5	2.0	1. The turmeric "fin
	hard to touch					gers" shall be sec-
	and break with					ondary rhizomes
	metallic twang					the plant Curcuma
						longa L.
Good	Should be hard	3	1.5	1.0	3.0	2. They shall:
	to touch and break					(a) be well set and clo
	with metallic twang					sely grained and
						be free from bulbs
						(primary rhizomes)
						and ill-developed
						porous fingers;
Fair	Should be hard	5	2.0	1.5	5.0	(b) have the shape,
						length, colour and
						other characteris
						tics of the variety;
Non-specified						(c) be prefectly dry
						and free from dam.
						age caused by wee
						vils, moisture over
						boiling or fungus
						attack except that
						1.0 per cent and 2.0

						per cent by weight
						of rhizomes
						dama
						ged by moisture
						and over-boiling
						should be allowed
						in grades Good
						and Fair respecti
						vely:
						(d) not have been arti
						ficially coloured
						with chemicals or
						dyes.
NOTE.Foreign matter includes chaff, dried leaves, clay particles, dust, dirt and any other						
extraneous matter. Length shall be reckoned from one tip of the finger to the other tip longitudinally.						
Colour of core and flexibility shall be reckoned from fingers freshly broken with hands. Chura and						
defective bulbs include immature small fingers and/or bulbs, internally damaged, hollow and porous						
bulbs, cut bulbs and other types of damaged bulbs except weevilled bulbs. Non-specified : This is not a						
grade in its strict sense but has been provided for the produce not covered by the other grades. Turmeric						
fingers under this grade shall be exported only against a "firm order".						
'Pieces are fingers, broken or whole, of 15mm. or less in length.						

SCHEDULE 2A

SCHEDULE II-A

(See rules 3 and 4)						
Grade designations and definitions of quality of the variety of turmeric commercially known as Alleppey						
"Finger Turmeric" produced in India						
Grade	Special characteristics					General characteristics
desig						
nation	Flexibility	Pie	For	Chura	Percent	
		ces per	eign	and	age of	
		centage	matter	defe	bulbs	
		by	percent	ctive	and cut	
		weight	age by	bulbs	bulbs	
		maxi	weight	percent	by	
		mum	maxi	age by	weight	

			mm	weight maximum	maxi mum	
1	2	3	4	5	6	7
Good	Should be	5	1.0	3.0	4.0	1. The turmeric "fin
	hard to touch					gers" shall be sec
						ondary rhizomes
						the plant Curcuma
						longa L.
Pair	Should be	7	1.5	5.0	5.0	2. They shall:
	hard					(a) be well set
	to touch.					and
						closely grained
						and free from
						bulbs (primary
						rhizomes) and
						ill-developed po
						rous fingers;
						(b) have the
						shape,
						length, wrinkles
						colour and other
						characteristics of
						the variety;
Non-						(c) be perfectly
specified						dry
						and free from
						damage caused
						by weevils, moi
						sture and over
						boiling or fungus
						attack except
						that 1.0 per cent
						and 2.0 per cent
						by weight of rhi-
						Lomes damaged
						by moisture and
						over-boiling shall
						be allowed in
						grades Good and
						Fair respectively;
						(d) not have been
						artificially colou
						red with chemi
						cals or dyes.

SCHEDULE II-B

(See rules 3 and 4)							
Grade designations and definitions of quality of a variety of turmeric commercially known as "Rajaporc"							
"Finger Turmeric" produced in India							
Grade	Special characteristics						General characteristics
design							
nation	Flexibility	Pieces*	For	Chura	Percent	Admix	
		percen	eign	and	age of	ture of	
		tage	matter	defe	bulbs	varieties	
		by	percent	ctive	by	of tur	
		weight	age hy	hull-is	weight	meric	
		maxi	weight	percent	maxi-	(per	
		mum	maxi-	age hv	murn	centage)	
			mum	weight			
				maximum			
1	2	3	4	5	6	7	8
Special	Should he	3	1	3	2	2	1. The turmeric "fin
	hard to touch						gers" shall be sec
	with metallic						ondary rhizomes
	twang						of the plant Curcu
							ma longa L.
Good	do.	5	1	5	3	5	2. They shall:
Fair	Should he	7	2	7	5	10	(a) be well set and
	hard						closely grained
							and free from
							bulbs (primary
							rhizoincs) and
							ill-developed
							porous fingers:
							(b) have the shape.
							length, colour
							and other chara
							cteristics of the
							variety;
Non			4			10	(c) be perfectly dry

specified							and free from damage caused
							by weevils, moi
							sture. over-boi
							ling or fungus
							attack except
							that 1.0 per cent
							and 2.0 per cent
							by weight of i-hi-
							zomes damaged
							by moisture and
							over-boiling shall
							be allowed in
							grades Good and
							Fair respectively;
							(d) not have been
							artificially colou
							red with chemi
							cals or dyes.

SCHEDULE 3
SCHEDULE III

(See rules 3 and 4)			
Grade designations and definitions of quality of Turmeric Bulbs (Round, Gat has or Colas) produced in			
India			
Grade designation	Special characteristics		General characteristics
	Foreign matter	Chura and defective	
	percentage by	bulbs, percentage by	
	weight maximum	weight maximum	
1	2	3	4
Special	1.0	1.0	1. The turmeric bulbs shall be
			primary rhizomes of the plant

			Curcuma longa L. (Syn. C Domestica Val.)
Good.	1.5	3.0	2. They shall:
Fair.	2.0	5.0	(a) be well developed, smooth.
			sound, soil and free from
			rootlets;
Non-speci			(b) have the shape, length (not
fied			below 15 mm.) and colour
			characteristic of the variety ;
			(c) be perfectly dry:
			(d) be free from damage caused by
			weevils, moisture, over-boiling
			or fungus attack except that 0.1
			per cent and 0.2 per cent by
			weight of rhizomes damaged by
			moisture and over-boiling shall
			he allowed in grades Good and.
			Fair respectively:
			(f) have not been artificially
			coloured with chemicals or
			dyes.

SCHEDULE 3A

SCHEDULE III-A

(See rules 3 and 4)			
Grade designations and definitions of quality of a variety of turmeric bulbs (Round, Gathas or Gola),			
commercially known as "Rajapole" turmeric bulbs produced in India			
Grade designation	Special characteristics		General characteristics
	Foreign matter	Chura and defective	
	percentage by	bulbs, percentage by	
	weight maximum	weight maximum	
1	2	3	4
Special	1.0	3.0	1. The turmeric bulbs shall be primary rhizomes of the plant
			Curcuma longa L. (Syn. C Domestica Val.)
Good	1.5	5.0	2. They shall:
Fair.	2.0	7.0	(a) be well developed, smooth.
			sound, soft and free from
			rootlets,
Non-speci			(h) have the shape, length (not
fied			below 15 mm.) and colour

			characteristic of the variety ;
			(c) be perfectly dry:
			(d) be free from damage caused by
			weevils, moisture, over-boiling
			or fungus attack except that
			0.1
			per cent and 0.2 per cent by
			weight of rhizomes damaged
			by
			moisture and over-boiling shall
			be allowed in grades Good
			and,
			Fair respectively;
			(e) have not been artificially
			coloured with chemicals or
			dyes.

SCHEDULE 4

SCHEDULE IV

(See rules 3 and 4)							
Grade designation and definition of quality of Turmeric Powder							
Grade	Special characteristics						General characteristics
desig nation	Mois ture percent age by weight maxi mum	Total ash perc entage by weight maximum	Acid insoluble ash, per centage by weight "maximum	Lead as (Pb) parts per mil lion maxi mum	Starch percent age by weight maxi mum	Chro- mate test	
1	2	3	4	5	6	7	8
Standard	10.0	7.0	1.5	2.5	60.0	Nega tive	1. The turmeric powder shall be prepared by grinding clean, dry turmeric (Curcuma longa L) rhizomes. 2. It shall have its characteristics taste,

							flavour and be free
							from musty odour.
							3. It shall be free from
							dirt, mould growth
							and insect infestation.
							4. It shall be free from
							any colouring matter
							such as lead chromate
							preservatives and extraneous
							matter such as real or pulse flour or any added starch.
							5. It shall be ground to
							such a fineness that
							all of it passes through a 300 micron sieve.

Adopted from IS : 2446 -1963.

SCHEDULE 4A
SCHEDULE IV-A

(See rules 3 and 4)							
Grade designation and definition of quality of Turmeric Powder (Coarse Ground)							
Grade	Special characteristics						General characteristics
designation	Moisture percent	Total ash by weight	Acid insoluble ash, per centage by weight	Lead as (Ph) parts per million	Starch percent by weight	Chromate least	
	maximum	maximum	maximum	maximum	maximum		

