

केंद्रीय मुहर विभाग-2

संदर्भ : कें.मु.वि-/16:5719

25 04 2018

विषय: आई एस 5719:2017 "जिलेटिन - खाद्य ग्रेड " की संशोधित एस टी आई (डॉक: एस टी आई /5719 /3, अप्रैल 2018) का अनुपालन

सक्षम अधिकारी द्वारा अनमोदित आई एस 5719:2017 की संशोधित एसटीआई (डॉक: एस टी आई /5719/3 , अप्रैल 2018) तत्काल प्रभाव से अनुपालन हेतु संलग्न है ।

सभी संबन्धित से अनुरोध है कि इसका कार्यान्वयन सुनिश्चित करें।

(आदित्य दास)
वैज्ञानिक सी (कें.मु.वि.-2)

प्रमुख, (कें.मु.वि.-2)

सभी शाखा कार्यालयों/एफएडी/प्रयोगशालाओं को परिचालित
प्रतिलिपि: ITS इंटरनेट पर अपलोड करने के लिए

CENTRAL MARKS DEPARTMENT -2

Our Ref: CMD-2/16: 5719

25 04 2018

Subject: Implementation of revised STI (Doc: STI/5719/3, April 2018) for "Gelatin-Food Grade" as per IS 5719:2017.

Please find enclosed revised STI (Doc: STI/5719/3, April 2018) for IS 5719:2017, "Gelatin-Food Grade" which has been duly approved by Competent Authority, for immediate implementation.

This is being sent to all BOs for implementation.

(Adivya Das)
Sc. C (CMD-2)

Head, CMD-2

Circulated to: All BOs/FAD/Labs

Copy to: ITS for hosting on Intranet

**SCHEME OF TESTING AND INSPECTION
FOR CERTIFICATION OF
GELATIN, FOOD GRADE
ACCORDING TO IS 5719 : 2017
(Second Revision)**

- 1. Laboratory**
- 1.1** A laboratory shall be maintained which shall be suitably equipped and staffed where the different tests given in the specific shall be carried out in accordance with the methods given in the Indian Standards.
- 1.2** All testing equipment shall be periodically checked, verified and calibrated and records of such check/verification/calibration shall be maintained.
- 2. Test Records**
- 2.1** All records of tests as per this Scheme of Testing and Inspection shall be kept in suitable forms.
- 2.2** Copies of any such records that may be required by BIS shall be made available at any time on request.
- 3. Quality Control**
- 3.1** It is recommended that, as far as possible, Statistical Quality Control (SQC.) methods may be used for controlling the quality of the product during production as envisaged in this Scheme [See IS 397(various parts)].
- 3.2** In addition, effort should be made to gradually introduce a Quality Management System in accordance with IS/ISO 9001.
- 4. Standard Mark-** The Standard Mark as given in Column (1), of the first Schedule of the licence shall be marked on each container of Gelatin Food Grade or printed on the label applied to the container as the case may be provided that the material in each container to which this mark is applied conforms to every requirement of the specification.
- 5. Marking** - Each container shall be legibly and indelibly marked with the following information:
 - a) Name of the material;
 - b) Name and address of the manufacturer;
 - c) Batch or Code No;
 - d) Net quantity when packed;
 - e) Instruction for storage;
 - f) Best before date (month & year to be given by the manufacturer); and
 - g) Any other requirements as specified under the Legal Metrology (Packaged Commodities) Rules,
- 6. Packing:** The product shall be filled in air tight glass or any other containers. The containers shall be hermetically sealed to prevent contamination of the contents with metals or other impurities.
- 7. Storage-** The product shall be stored in a cool and dry place so as to avoid excessive exposure to heat.
- 8. Levels of Control-** The analysis and tests, as indicated in Table 1 and at the levels of control specified therein, shall be carried out on the whole production of the factory which is covered

by this scheme and appropriate records and charts maintained in accordance with para above. All the production which conforms to the Indian Standard and covered by this licence shall be marked with the Standard Mark.

- 8.1 Control Unit-** For the purpose of this scheme, total quantity of the material produced in a day from the same batch of raw material under similar conditions shall constitute a control unit.
- 8.2** On the basis of the test and analysis results, decision regarding the conformity or otherwise of a control unit to the requirement of the specification shall be made.
- 9. Raw Material-** Routine analysis of each consignment of raw material received in the factory shall be carried out and appropriate record maintained.
- 10.** In respect of all other clauses of the specification and at all stages of production, appropriate controls and checks shall be maintained so as to ensure that the product conforms to the requirements of the clauses.
- 11. Hygienic Conditions –** Gelatin, Food Grade shall be processed and packed under hygienic conditions and the manufacturing premises shall be maintained in a thoroughly clean and hygienic manner. The material shall be stored in a cool and dry place, so as to avoid excessive exposure to heat. All workers shall use clean, washed clothing including head covers. Incidental contamination of the product from soiled equipment or from personnel suffering from injuries, eruptions or boils shall be avoided.
- 12. Rejections-** A separate record shall be maintained giving information relating to the rejection of units of Gelatin Food Grade, which do not conform to the specification and the method of their disposal. Such material, if packed in containers, shall in no case be stored together with that conforming to the specification.
- 13. Samples-** The licensee shall supply, free of charge, the samples required in accordance with the Bureau of Indian Standard (Certification) Regulations from his factory or godown. BIS shall pay for the samples taken by it from the open market.
- 14. Replacement-** Whenever a complaint is received soon after the goods with the Standard Marks have been purchased and used, and if there is adequate evidence that the goods have not been misused, defective goods or their components shall be replaced or repaired free of cost by the licensee in case the complaint is proved to be genuine and the warranty period (where applicable) has not expired. The final authority to judge conformity of the product to the Indian Standard shall be with BIS. The firm should have its own complaint investigation systems as per IS 15400.
 - 14.1** In the event of any damages caused by the goods bearing the Standards Mark, or claim being filed by the consumer against BIS Standard Mark and not “conforming to” the relevant Indian Standard, entire liability arising out of such non-conforming product shall be of licensee and BIS shall not in any way be responsible in such cases.
- 15. Stop Marking-** The marking of the product shall be stopped under intimation to BIS, if at any time, there is some difficulty in maintaining the conformity of the product to the specification

or the testing equipment goes out of order. The marking may be resumed as soon as the defects are removed under intimation to BIS.

The marking of the product shall be stopped immediately if directed to do so by BIS for any reason. The marking may then be resumed only after permission by the BIS. The information regarding resumption of markings shall also be sent to the BIS.

- 16. Production Data-** The licensee shall send to BIS as per the enclosed proforma to be authenticated by a Chartered Accountant or by the manufacturer by giving an affidavit/undertaking, a statement of quantity produced, marked and exported by him and the trade value thereof end of each operative year of the licence.

IS 5719:2017
Gelatin Food Grade
TABLE 1 LEVELS OF CONTROL
(Para 6 of the Scheme of Testing and Inspection)

Test Details				Levels of Control		
Clause	Description	Test Method		No. of Samples	Frequency	Remarks
		Clause	Reference			
4.1	Description	4.1	IS 5719:2017	One	Each Control Unit	
4.2	Identification	4.2.1 to 4.2.4	-do-	One	-do-	
4.3 and Table 1	i) Loss on drying	Annex C	IS 5306	One	-do-	
	ii) Gel Strength	Annex A	IS 5719	One	-do-	
	iii) Total Ash	A4	IS 7928	One	-do-	
	iv) Sulphur dioxide	11	IS 4706 (Part 2)	One	-do-	
	v) Nitrogen (on dry basis)	-	IS 7219	One	-do-	
	vi) Lead (as Pb)	15	IS 1699	One	-do-	
	vii) Arsenic (as As)	15	-do-	One	-do-	
	viii) Mercury (as Hg)	15	-do-	One	Once in a month	
	ix) Cadmium (as Cd),	15	-do-	One	-do-	
	x) Chromium (as Cr),	15	-do-	One	-do-	
	xi) Heavy metal (as Pb)	16	-do-	One	Each control unit	
4.5	xii) Enterobacteriaceae or coli-aerogenes group	-	IS 7402	One	-do-	
	xiii) Faecal Streptococci	-	IS 5887 (Part 2)	One	-do-	
	xiv) Total Viable Count	-	IS 5402	One	-do-	

IS 5719 : 2017
Gelatin Food Grade
Table 2-Test Results

Date	Control Unit No.	Quantity	Cumulative Quantity	Description	Identification	Loss on drying	Gel Strength	Total Ash % by wt	Sulphur Dioxide mg/kg
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

Nitrogen % by wt (ODB)	Arsenic, mg/kg	Lead (as Pb) mg/kg	Mercury (as Hg)	Cadmium (as Cd),	Chromium (as Cr),	Heavy metal (as Pb) mg/kg	Total Viable colony Count/gram	Enterobacteriaceae or coli-aerogenes group	Faecal Streptococci per gm	Remarks
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	19	20	21

ANNEX 1
PROFORMA FOR OBTAINING PRODUCTION DETAILS
(Clause 14 of Scheme of Testing and Inspection)

Period covered	
Name of Licensee CM/L No.	
Name of Articles (s)	IS No.
Grade/Type/Size/Variety/Class/Rating	
Brand/Trade/Name(s) of Product covered under BIS Certification Mark	
Total production of the articles(s) licensed for certification marking	
Total production of the article(s) conforming to Indian Standard	
Production covered with BIS Certification Mark and its Value : a) Quantity b) Value (Rs.)	
Brand Name used on production covered under BIS Certification Mark	
Calculation of marking fee on unit-rate basis; Marking Fee per unit a) Unit b) Quantity covered with BIS Certification Mark c) Marking fee rounded off in whole rupees as obtained by applying unit rates given in (a) on quantity given in (b) NOTE: In case a clause is not applicable, suitable remarks may be given against it	
Quantity not covered with BIS Certification Mark, if any.	
Reasons for such non-coverage	
Brand Name under which non-ISI goods were sold	
Quantity exported with BIS Standard Mark and its value	
Brand Name under which BIS Certified goods are exported	
Authentication by Chartered Accountant	