

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### FAD 28 : Test methods for food products

**Scope:** Standardization in the field of - Horizontal methods of test for food products including physical, chemical and sensory evaluation excluding the microbiological methods of test covered under the scope of FAD 31 and methods of test for estimation of pesticide residues covered under the scope of FAD 27.

**Liaison:** **ISO TC-34 (P): Food products ISO TC-34 SC-12 (P): Sensory analysis**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10226 (Part 1) : 1982 ISO 5498 <i>Reviewed In : 2020 ISO 5498: 1981</i>	Method for determination of crude fibre content in - food products: Part 1 general method	December, 2020	-	Identical under dual numbering
2	IS 10226 (Part 2) : 1982 ISO 6541 <i>Reviewed In : 2020</i>	Method for determination of crude fibre content in food products: Part 2 modified scharrer method	December, 2020	-	Indigenous
3	IS 10641 : 1983 <i>Reviewed In : 2020</i>	Recommended methods for determination of aroma and taste thresholds	December, 2020	-	Indigenous
4	IS 10642 : 2023	Consumer Sensory Evaluation of Foods and Beverages i <sub>1</sub> /2 Guide		-	Indigenous
5	IS 10643 : 2023	Sensory Evaluation Procedure to Establish Guidelines for Open Dating Processed Food Products		-	Indigenous
6	IS 11062 : 2019 <i>Reviewed In : 2023</i>	Method for estimation of total dietary fibre in foodstuffs (First Revision)	August, 2023	-	Indigenous
7	IS 15285 : 2016 ISO 5496 : 2006 <i>Reviewed In : 2021 ISO 5496 : 2006</i>	Sensory analysis - Methodology - Initiation and training of assessors in the detection and recognition of odours (First Revision)	August, 2021	1	Identical under dual numbering
8	IS 15286 : 2003 ISO 5497 <i>Reviewed In : 2023 ISO 5497:1982</i>	Sensory analysis - Methodology - Guidelines for the preparation of samples for which direct sensory analysis is not feasible	August, 2023	-	Identical under dual numbering
9	IS 15315 : 2003 ISO 6564 <i>Reviewed In : 2019 ISO 6564:1985</i>	Sensory analysis - Methodology - Flavour profile methods	January, 2019	-	Identical under dual numbering
10	IS 15316 : 2016 ISO 8589 : 2007 <i>Reviewed In : 2021</i>	Sensory analysis - General guidance for the design of test rooms (First Revision)	August, 2021	1	Identical under dual numbering

	ISO 8589 : 2007				
11	IS 15317 : 2017 ISO 8586 : 2012 Reviewed In : 2022 ISO 8586 : 2012	Sensory analysis - General guidelines for the selection, training and monitoring of selected assessors and expert sensory assessors	April, 2022	-	Identical under dual numbering
12	IS 15642 (Part 1 and 2) : 2006 Reviewed In : 2020	Quick methods for detection of adulterants/contaminants in common food products	December, 2020	1	Indigenous
13	IS 15733 : 2006 Reviewed In : 2020	Portable kit for quick detection of adulterants/contaminants in common food products - Specification	December, 2020	-	Indigenous
14	IS 16639 : 2018 ISO 20633 : 2015 Reviewed In : 2022 ISO 20633:2015	Infant formula and adult nutritionals - Determination of vitamin E and vitamin A by normal phase high performance liquid chromatography	April, 2022	-	Identical under dual numbering
15	IS 16640 : 2018 ISO 20634 : 2015 Reviewed In : 2022 ISO 20634:2015	Infant formula and adult nutritionals - Determination of vitamin B12 by reversed phase high performance liquid chromatography (RP - HPLC)	April, 2022	-	Identical under dual numbering
16	IS 16641 : 2018 ISO 20638 : 2015 Reviewed In : 2022 ISO 20638:2015	Infant formula - Determination of nucleotides by liquid chromatography	April, 2022	-	Identical under dual numbering
17	IS 16642 : 2018 ISO 20639 : 2015 Reviewed In : 2022 ISO 20639:2015	Infant formula and adult nutritionals - Determination of pantothenic acid by ultra high performance liquid chromatography and tandem mass spectrometry method (UHPLC - MS/MS)	April, 2022	-	Identical under dual numbering
18	IS 16643 : 2018 ISO 26642 : 2010 Reviewed In : 2022 ISO 26642:2010	Food products - Determination of the glycaemic index (GI) and recommendation for food classification	April, 2022	-	Identical under dual numbering
19	IS 16649 : 2018 ISO 20637 : 2015 Reviewed In : 2022 ISO 20637 : 2015	Infant formula and adult nutritionals - Determination of Myo - Inositol by liquid chromatography and pulsed amperometry	April, 2022	-	Identical under dual numbering
20	IS 17176 : 2019 ISO 20635 : 2018 ISO 20635:2018	Infant Formula and Adult Nutritionals – Determination of Vitamin C by ( Ultra ) High Performance Liquid Chromatography with Ultraviolet Detection ( ( U ) HPLC-UV )		-	Identical under dual numbering
21	IS 17177 : 2019 ISO 20636 : 2018 IS 20636 : 2018	Infant formula and adult nutritionals - Determination of vitamin d by liquid chromatography - Mass spectrometry		-	Identical under dual numbering
22	IS 17178 : 2019 ISO 18787 : 2017 ISO 18787:2017	Food stuffs - Determination of water activity		-	Identical under dual numbering
23	IS 17379 : 2020 ISO 20647 : 2015	Infant Formula and Adult Nutritionals – Determination of		-	Identical under dual numbering

	ISO 20647 : 2015	Total Iodine Inductively Coupled Plasma Mass Spectrometry ( ICP-MS )			
24	IS 17668 : 2021 ISO 21468 : 2020 ISO 21468 : 2020	Infant formula and adult nutritionals Determination of free and total choline and free and total carnitine Liquid chromatography tandem mass spectrometry HPLC-MSMS		-	Identical under dual numbering
25	IS 17669 : 2021 ISO 21470 : 2020 ISO 21470 : 2020	Infant formula and adult nutritionals Simultaneous determination of total vitamins B1 B2 B3 and B6 Enzymatic digestion and LC-MSMS		-	Identical under dual numbering
26	IS 17670 : 2021 ISO 23305 : 2020 ISO 23305 : 2020	Fortified milk powders infant formula and adult nutritionals Determination of total biotin by liquid chromatography coupled with immunoaffinity column clean-up extraction		-	Identical under dual numbering
27	IS 17671 : 2021 ISO 23443 : 2020 ISO 23443 : 2020	Infant formula and adult nutritionals Determination of beta-carotene lycopene and lutein by reversed-phase ultra-high performance liquid chromatography RP-UHPLC		-	Identical under dual numbering
28	IS 17822 : 2022 ISO 8588 : 2017 ISO 8588 : 2017	Sensory analysis Methodology A - not A Test		-	Identical under dual numbering
29	IS 17823 : 2022 ISO 11037 : 2011 ISO 11037 : 2011	Sensory Analysis Guidelines for Sensory Assessment of the Colour of Products		-	Identical under dual numbering
30	IS 17824 : 2022 ISO 4120 : 2021 ISO 4120 : 2021	Sensory analysis Methodology Triangle test		-	Identical under dual numbering
31	IS 17825 : 2022 ISO 3972:2011 ISO 3972:2011	Sensory analysis Methodology Method of investigating sensitivity of taste		-	Identical under dual numbering
32	IS 17826 : 2022 ISO 10399 : 2017 ISO 10399 : 2017	Sensory analysis Methodology Duo-trio Test		-	Identical under dual numbering
33	IS 17827 : 2022 ISO 6658 : 2017 ISO 6658 : 2017	Sensory Analysis Methodology General Guidance		-	Identical under dual numbering
34	IS 17828 : 2022 ISO 11035 : 1994 ISO 11035 : 1994	Sensory analysis Identification and selection of descriptors for establishing a sensory profile by a multidimensional approach		-	Identical under dual numbering
35	IS 17829 : 2022 ISO 5495 : 2005 ISO 5495 : 2005	Sensory analysis Methodology Paired Comparison Test		-	Identical under dual numbering
36	IS 17830 : 2022 ISO 8587 : 2006 ISO 8587 : 2006	Sensory analysis Methodology Ranking		-	Identical under dual numbering
37	IS 17831 : 2022 ISO 11036 : 1994 ISO 11036 : 1994	Sensory Analysis Methodology Texture Profile		-	Identical under dual numbering
38	IS 18113 : 2023 ISO/TR 23304 :	FOOD PRODUCTS GUIDANCE ON HOW TO EXPRESS		-	Identical under dual numbering

	2021 ISO/TR 23304 : 2021	VITAMINS AND THEIR VITAMERS CONTENT			
39	IS 18364 : 2023 ISO 11132:2021 ISO 11132:2021	Sensory analysis Methodology Guidelines for the measurement of the performance of a quantitative descriptive sensory panel		-	Identical under dual numbering
40	IS 18365 (Part 1) : 2023 ISO 13300-1:2006 ISO 13300-1:2006	Sensory Analysis $i_c/2$ General Guidance for the Staff of a Sensory Evaluation Laboratory $i_c/2$ Part 1: Staff Responsibilities		-	Identical under dual numbering
41	IS 18365 (Part 2) : 2023 ISO 13300-2:2006 ISO 13300-2:2006	Sensory Analysis $i_c/2$ General Guidance for the Staff of a Sensory Evaluation Laboratory $i_c/2$ Part 2: Recruitment and Training of Panel Leaders		-	Identical under dual numbering
42	IS 18367 : 2023 ISO 13301:2018 ISO 13301:2018	Sensory Analysis $i_c/2$ Methodology $i_c/2$ General Guidance for Measuring Odour, Flavour and Taste Detection Thresholds by a Three-Alternative Forced-Choice (3-AFC) Procedure		-	Identical under dual numbering
43	IS 18368 : 2023 ISO 16779:2015 ISO 16779:2015	Sensory Analysis $i_c/2$ Assessment (Determination and Verification) of the Shelf Life of Foodstuffs		-	Identical under dual numbering
44	IS 18369 : 2023 ISO 20613:2019 ISO 20613:2019	Sensory Analysis $i_c/2$ General Guidance for the Application of Sensory Analysis in Quality Control		-	Identical under dual numbering
45	IS 18370 : 2023 ISO 20784:2021 ISO 20784:2021	Sensory Analysis $i_c/2$ Guidance on Substantiation for Sensory and Consumer Product Claims		-	Identical under dual numbering
46	IS 18372 : 2023 ISO 13299 : 2016 ISO 13299 : 2016	Sensory Analysis $i_c/2$ Methodology $i_c/2$ General Guidance for Establishing A Sensory Profile		-	Identical under dual numbering
47	IS/ISO 21466 : 2019 ISO 21446 : 2019 ISO 21446 : 2019	Infant Formula and Adult Nutritionals Determination of Trans and Total cis trans Vitamin K1 Content Normal Phase HPLC		-	Identical under single numbering
48	IS 5126 : 2016 ISO 5492 : 2008 Reviewed In : 2021 ISO 5492: 2008	Sensory analysis - Vocabulary (Second Revision)	August, 2021	1	Identical under dual numbering
49	IS 5398 : 1969 Reviewed In : 2020	Methods for estimation of thiamine (Vitamin B1) in foodstuffs	December, 2020	-	Indigenous
50	IS 5399 : 1969 Reviewed In : 2020	Methods for estimation of riboflavin (Vitamin B2) in, foodstuffs	December, 2020	-	Indigenous
51	IS 5400 : 1969 Reviewed In : 2020	Methods for estimation of nicotinic acid (Niacin) in foodstuffs	December, 2020	-	Indigenous
52	IS 5835 : 1970 Reviewed In : 2020	Method for estimation of vitamin D in foodstuffs	December, 2020	-	Indigenous
53	IS 5838 : 1970 Reviewed In : 2020	Methods for estimation of vitamin C in foodstuffs	December, 2020	-	Indigenous
54	IS 5886 : 1970 Reviewed In : 2020	Methods for estimation of carotenes and vitamin A (Retinol) in foodstuffs	December, 2020	-	Indigenous
55	IS 6273 (Part 1) : 2024	Guide for Sensory Evaluation of Foods Part 1 - Optimum		-	Indigenous

		Requirements			
56	IS 6273 (Part 2) : 1971 Reviewed In : 2019	Guide for sensory evaluation of foods: Part 2 methods and evaluation cards	January, 2019	-	Indigenous
57	IS 6273 (Part 3/Sec 1) : 1983 Reviewed In : 2023	Guide for sensory evaluation of foods: Part 3 statistical analysis of data: Sec 1 difference/preference tests (First Revision)	January, 2023	-	Indigenous
58	IS 6273 (Part 3/Sec 2) : 2023	Sensory Evaluation of Foods $i\frac{1}{2}$ Guide: Part 3 Statistical Analysis of Data Section 2 Ranking and Scoring Tests		-	Indigenous
59	IS 7219 : 1973 Reviewed In : 2020	Method for determination of protein in foods and feeds	December, 2020	1	Indigenous
60	IS 7234 : 1974 Reviewed In : 2020	Method for estimation of folic acid in foodstuffs	December, 2020	-	Indigenous
61	IS 7235 : 1974 Reviewed In : 2020	Method for estimation of tocopherols (Vitamin E) in foodstuffs	December, 2020	-	Indigenous
62	IS 7481 : 1974 Reviewed In : 2020	Method for determination of protein efficiency ratio (Per)	December, 2020	1	Indigenous
63	IS 7529 : 1975 Reviewed In : 2020	Method for estimation of vitamin B 12 in foodstuffs	December, 2020	-	Indigenous
64	IS 7530 : 1975 Reviewed In : 2020	Method for estimation of pyridoxine (Vitamin B6) in foodstuffs	December, 2020	-	Indigenous
65	IS 7815 : 1975 Reviewed In : 2020	Method for estimation of amino acids in food	December, 2020	1	Indigenous
66	IS 7997 : 2023	Tasting Products of Intense Flavour $i\frac{1}{2}$ Guide		-	Indigenous
67	IS 8077 : 1976 Reviewed In : 2020	Procedure for checking temperature of quick - Frozen foods	December, 2020	-	Indigenous
68	IS 8140 : 2023	Selection of Panel for Sensory Evaluation of Foods and Beverages $i\frac{1}{2}$ Guide		-	Indigenous
69	IS 8168 : 1976 Reviewed In : 2020	Method for determination of available lysine in foods	December, 2020	-	Indigenous
70	IS 8639 : 1977 Reviewed In : 2019	Code for evaluation of the effect of packaging and storage on the sensory qualities of foods and beverages	January, 2019	-	Indigenous
71	IS 9820 : 1981 Reviewed In : 2020	Method for estimation of biotin in foodstuffs	December, 2020	-	Indigenous
72	IS 9840 : 1981 Reviewed In : 2020	Method for estimation of pantothenic acid in foodstuffs	December, 2020	-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

**Total Published Standards:64 Total Standards Under development:0**

### Aspect Wise Report

Product : 1  
Code of Practices : 1  
Methods of Test : 68  
Terminology : 1  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 1  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 15317 (Part 1) : 2003 ISO 8586-1 Reviewed In : 2019 ISO 8586-1	Sensory Analysis - General Guidance for the Selection Training and Monitoring of Assessors - Part 1 Selected Assessors
2	IS 15317 (Part 2) : 2003 ISO 8586-2 Reviewed In : 2019 ISO 8586-2	Sensory Analysis - General Guidance for the Selection Training and Monitoring of Assessors - Part 2 Experts

### Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 15733 : 2006 Reviewed In : 2020	Portable kit for quick detection of adulterants contaminants in common food products - Specification