

BUREAU OF INDIAN STANDARDS

Program of Work

CHD 21 : Raw materials for paints, varnishes and related product

Scope: a) To formulate Indian standards for terminology, method of sampling and tests, code of practice and specification for raw materials for paints and coatings, varnishes and related products including application of nanotechnology in paint raw materials. b) To coordinate with work of ISO/TC 35 & ISO/TC 256

Liaison: **ISO TC-256 (P):** *Pigments, dyestuffs and extenders*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10897:1984 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for zinc phosphate pigment for paints	March, 2024	-	Indigenous
2	IS 11811:2021	Specification for alkyd resin (First Revision)		-	Indigenous
3	IS 13467:2024	Chlorinated Rubber for Paints - Specification (First Revision)		-	Indigenous
4	IS 14355:2022	Zinc dust pigment for paints - Specification (First Revision)		-	Indigenous
5	IS 14499:2021	Strontium chromate for paints - Specification (First Revision)		-	Indigenous
6	IS 14925:2001 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Epoxy resin for paints - Specification	May, 2022	-	Indigenous
7	IS 15365:2019 87.060.20 Reviewed In : 2024	Amino resins for paints (First Revision)	March, 2024	-	Indigenous
8	IS 15366:2003 Reviewed In : 2024	Dolomite for paint industry - Specification	March, 2024	-	Indigenous
9	IS 17294:2019 ISO 7579 : 2009 Reviewed In : 2024 ISO 7579 : 2009	Dyestuffs - Determination of solubility in organic solvents gravimetric and photometric methods	March, 2024	-	Identical under dual numbering
10	IS 17384:2020 18451-1: 2019 Reviewed In : 2025 ISO 18451-1: 2019	Pigments, dyestuffs and extenders - Terminology - general terms	March, 2025	-	Identical under dual numbering
11	IS 17680 (Part 1):2021 ISO 18314-1: 2015 ISO 18314-1: 2015	Analytical colorimetry : Part 1 practical colour measurement		-	Identical under dual numbering

12	IS 17727:2021	Water-soluble sodium carboxymethyl cellulose for paints - Specification		-	Indigenous
13	IS 18563:2024	Nanomodified Paints and Coatings - Code of Practice		-	Indigenous
14	IS 1872:2020 Reviewed In : 2025	Thinner for synthetic paints and varnishes for aircrafts - Specification (First Revision)	March, 2025	-	Indigenous
15	IS 1873:2019 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Antichill thinner for cellulose nitrate based paints, dopes and lacquers for aircrafts - Specification (First Revision)	March, 2024	-	Indigenous
16	IS 19003:2022	Re-dispersible polymer powder - Specification		-	Indigenous
17	IS 289:2021	Aluminium paste for paints - Specification (Second Revision)		-	Indigenous
18	IS 33:1992 Reviewed In : 2024	Inorganic pigments and extenders for paints - Methods of sampling and test (Third Revision)	March, 2024	1	Indigenous
19	IS 3493:1978 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Methods of sampling and test for organic pigments for paints (First Revision)	May, 2022	1	Indigenous
20	IS 35:2021	Zinc oxide for paints - Specification (Second Revision)		-	Indigenous
21	IS 3526:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for barium chromate for paints (First Revision)	May, 2022	1	Indigenous
22	IS 3527:1972 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for mica for paints (First Revision)	March, 2024	1	Indigenous
23	IS 354 (Part 1):2024	METHODS OF SAMPLING AND TEST FOR RESINS FOR PAINTS PART 1 GENERAL TEST METHODS (Third Revision)		-	Indigenous
24	IS 354 (Part 2):2024	Resins for Paints - Methods of Sampling and Test Part 2 Special Test Methods for Alkyd Resins (Third Revision)		-	Indigenous
25	IS 354 (Part 3):2024	Methods of sampling and test for resins for paints : Part 3 special test methods for phenolic resins (Third Revision)		-	Indigenous
26	IS 354 (Part 4):2024	Resins for paints - Methods of sampling and test Part : 4 special test methods for epoxy resins (Third Revision)		-	Indigenous
27	IS 354 (Part 5):2024	Resins for paints - Methods of sampling and test : Part 5 Special test methods for polyamide resins (Third Revision)		-	Indigenous
28	IS 354 (Part 6):2024	Resin for Paints - Methods of		-	Indigenous

		Sampling and Test Part 6 Special Test Methods for Amino Resins (Third Revision)			
29	IS 354 (Part 7):2024	Resins for Paints - Methods of Sampling and Test Part 7 Special Test Methods for Acrylic and Vinyl Acetate Emulsions (Third Revision)		-	Indigenous
30	IS 356:1991 Reviewed In : 2022	Ester gum - Specification (Second Revision)	May, 2022	-	Indigenous
31	IS 3574 (Part 1):1965 Reviewed In : 2024	Specification for organic pigments for paints: Part 1 Azo pigments (toluidine red, chlorinated p-nitroaniline red, arylamide yellow, and para red)	March, 2024	-	Indigenous
32	IS 3574 (Part 2):2000 Reviewed In : 2021	Organic pigments for paints - Specification: Part 2 phthalocyanines (First Revision)	March, 2021	-	Indigenous
33	IS 40:2021	Carbon black for paints - Specification (Second Revision)		-	Indigenous
34	IS 411:2020 Reviewed In : 2025	Titanium dioxide, anatase, for paints - Specification (Fourth Revision)	March, 2025	1	Indigenous
35	IS 44:1991 Reviewed In : 2022	Iron oxide pigments for paints - Specification (Second Revision)	May, 2022	1	Indigenous
36	IS 44:2025	Iron Oxide Pigments for Paints - Specifications (Third revision)		-	Indigenous
37	IS 51:2025	Zinc Chrome Pigments for Paints - Specifications (Fifth Revision)		-	Indigenous
38	IS 54:2025	Green Oxide of Chromium for Paints - Specification (Third Revision)		-	Indigenous
39	IS 55:1970 Reviewed In : 2019	Specification for ultramarine blue for paints (First Revision)	March, 2019	2	Indigenous
40	IS 553:1984 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for rosin (Gum Rosin) (Second Revision)	March, 2024	2	Indigenous
41	IS 56:1993 Reviewed In : 2019	Prussian blue (Iron blue) for paints - Specification (Second Revision)	March, 2019	-	Indigenous
42	IS 62:2006 Reviewed In : 2021	Graphite for Paints-Specification	March, 2021	-	Indigenous
43	IS 63:2006 Reviewed In : 2021	Whiting for paint and putty - Specification (Third Revision)	March, 2021	-	Indigenous
44	IS 64:2023	Barium sulphate pigments for paints - Specification (Second Revision)		-	Indigenous
45	IS 642:2024	Varnish Medium for Aluminium Paint - Specification (Second Revision)		-	Indigenous
46	IS 644:2023	Dipentene for paints - Specification (Third Revision)		-	Indigenous
47	IS 66:2024	Hydrated magnesium silicate (Talc) for paints - Specification (Third Revision)		-	Indigenous
48	IS 67:1998 Reviewed In : 2024 Decision taken to	Silica for paints - Specification (Second Revision)	March, 2024	-	Indigenous

	Reaffirm and Archive				
49	IS 68:2006 Reviewed In : 2021	China clay (Kaolin) for paints - Specification (Second Revision)	March, 2021	-	Indigenous
50	IS 70:2024	Cuprous Oxide for Paints - Specification (Second Revision)		-	Indigenous
51	IS 74:1979 Reviewed In : 2022	Methods of sampling and test for drying oils for paints (Second Revision)	May, 2022	-	Indigenous
52	IS 77:1976 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for linseed oil, boiled, for paints (Second Revision)	March, 2024	-	Indigenous
53	IS 79:2021	Specification for linseed stand oil for paints (Second Revision)		-	Indigenous
54	IS 80:1991 Reviewed In : 2022	Tung oil for paints - Specification (Second Revision)	May, 2022	-	Indigenous
55	IS 81:1989 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Dehydrated castor oil for paints - Specification (Second Revision)	March, 2024	-	Indigenous
56	IS 82:1973 Reviewed In : 2022	Methods of sampling and test for thinners and solvents for paints (First Revision)	May, 2022	2	Indigenous
57	IS 840:1986 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Cashewnut shell liquid (CNSL) (Second Revision)	May, 2022	-	Indigenous
58	IS 8766:1978 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for driers for paints	March, 2024	-	Indigenous
59	IS 8767:2020 Reviewed In : 2025	Calcium carbonate, precipitated, and activated, for paints - Specification (First Revision)	March, 2025	-	Indigenous
60	IS 9788:2023	Titanium dioxide rutile for paints- Specification (First Revision)		-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
No Records Found		

Preliminary Draft Standards

SI. No.	Doc No.	Title
No Records Found		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
No Records Found		

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
1	CHD 21 (28499)	Titanium Dioxide for Pigmentary Applications - Specification Fifth Revision
2	CHD 21 (28522)	Zinc Phosphate Pigment for Paints - Specification First Revision
3	CHD 21 (28644)	Cashewnut Shell Liquid CNSL - Specification Third Revision

Finalized Draft Indian Standard		
Sl. No.	Doc No.	Title
1	CHD 21 (26609) Revision of: IS 15366:2003	Dolomite for paint - Specification First Revision

Finalized Draft Indian Standards under Print		
Sl. No.	Doc No.	Title
1	CHD 21 (26606) Revision of: IS 56:1993	Prussian Blue Iron blue for Paints - Specification Third Revision
2	CHD 21 (26607) Revision of: IS 55:1970	Ultramarine Blue for Paints - Specification Second Revision

Total Published Standards:58	Total Standards Under development:6
------------------------------	-------------------------------------

Aspect Wise Report	
Product	: 44
Code of Practices	: 1
Methods of Test	: 13
Terminology	: 1
Dimensions	: 0
System Standard	: 0
Safety Standard	: 0
Others	: 0
Service Specification	: 0
Process Specification	: 0
Unclassified	: 0

Annexure-I :List of Indian Standards Withdrawn/Superseded		
Sl. No.	IS No. & Year	Title
1	IS 13966:1994 Reviewed In : 2019	Sodium carboxymethyl cellulose for use in oil industry - Specification
2	IS 3520:1992 Reviewed In : 2019	Water-soluble sodium carboxymethyl cellulose - Specification Second Revision
3	IS 38:1976 Reviewed In : 2019	Specification for antimony oxide for paints First Revision
4	IS 50:1980 Reviewed In : 2019	Withdrawl
5	IS 58:1976 Reviewed In : 2019	Withdrawl

Annexure-II :List of Indian Product Standards		
Sl. No.	IS No. & Year	Title
1	IS 10897:1984 Reviewed In : 2024 Decision taken to Reaffirm	Specification for zinc phosphate pigment for paints

	and Archive	
2	IS 11811:2021 ISO 27269:2021	Specification for alkyd resin First Revision
3	IS 13467:2024	Chlorinated Rubber for Paints - Specification First Revision
4	IS 14355:2022 ISO 17450-3:2016	Zinc dust pigment for paints - Specification First Revision
5	IS 14499:2021 ISO 20140-5 : 2017	Strontium chromate for paints - Specification First Revision
6	IS 14925:2001 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Epoxy resin for paints - Specification
7	IS 15365:2019 87.060.20 Reviewed In : 2024	Amino resins for paints First Revision
8	IS 15366:2003 Reviewed In : 2024	Dolomite for paint industry - Specification
9	IS 17727:2021 8096:2005	Water-soluble sodium carboxymethyl cellulose for paints - Specification
10	IS 1872:2020 Reviewed In : 2025	Thinner for synthetic paints and varnishes for aircrafts - Specification First Revision
11	IS 1873:2019 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Antichill thinner for cellulose nitrate based paints dopes and lacquers for aircrafts - Specification First Revision
12	IS 19003:2022 ISO/TR 4421:2023	Re-dispersible polymer powder - Specification
13	IS 289:2021	Aluminium paste for paints - Specification Second Revision
14	IS 35:2021 iso 26262-4:2018	Zinc oxide for paints - Specification Second Revision
15	IS 3526:1981 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Specification for barium chromate for paints First Revision
16	IS 3527:1972 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for mica for paints First Revision
17	IS 356:1991 Reviewed In : 2022	Ester gum - Specification Second Revision
18	IS 3574 (Part 1):1965 Reviewed In : 2024	Specification for organic pigments for paints Part 1 Azo pigments toluidine red chlorinated p-nitroaniline red arylamide yellow and para red
19	IS 3574 (Part 2):2000 Reviewed In : 2021	Organic pigments for paints - Specification Part 2 phthalocyanines First Revision
20	IS 40:2021 ISO/IEC 19086 - 3 : 2017	Carbon black for paints - Specification Second Revision
21	IS 411:2020 Reviewed In : 2025	Titanium dioxide anatase for paints - Specification Fourth Revision
22	IS 44:2025	Iron Oxide Pigments for Paints - Specifications Third revision
23	IS 51:2025	Zinc Chrome Pigments for Paints - Specifications Fifth Revision
24	IS 54:2025	Green Oxide of Chromium for Paints - Specification Third Revision

25	IS 55:1970 Reviewed In : 2019	Specification for ultramarine blue for paints First Revision
26	IS 553:1984 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for rosin Gum Rosin Second Revision
27	IS 56:1993 Reviewed In : 2019	Prussian blue Iron blue for paints - Specification Second Revision
28	IS 62:2006 Reviewed In : 2021	Graphite for Paints-Specification
29	IS 63:2006 Reviewed In : 2021	Whiting for paint and putty - Specification Third Revision
30	IS 64:2023	Barium sulphate pigments for paints - Specification Second Revision
31	IS 642:2024	Varnish Medium for Aluminium Paint - Specification Second Revision
32	IS 644:2023	Dipentene for paints - Specification Third Revision
33	IS 66:2024	Hydrated magnesium silicate Talc for paints - Specification Third Revision
34	IS 67:1998 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Silica for paints - Specification Second Revision
35	IS 68:2006 Reviewed In : 2021	China clay Kaolin for paints - Specification Second Revision
36	IS 70:2024	Cuprous Oxide for Paints - Specification Second Revision
37	IS 77:1976 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for linseed oil boiled for paints Second Revision
38	IS 79:2021	Specification for linseed stand oil for paints Second Revision
39	IS 80:1991 Reviewed In : 2022	Tung oil for paints - Specification Second Revision
40	IS 81:1989 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Dehydrated castor oil for paints - Specification Second Revision
41	IS 840:1986 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Cashewnut shell liquid CNSL Second Revision
42	IS 8766:1978 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for driers for paints
43	IS 8767:2020 Reviewed In : 2025	Calcium carbonate precipitated and activated for paints - Specification First Revision
44	IS 9788:2023	Titanium dioxide rutile for paints- Specification First Revision