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, 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	Specification for zinc phosphate	March, 2024	-	Indigenous
	Reviewed In: 2024	pigment for paints			
	Decision taken to				
	Reaffirm and				
	Archive				
2	IS 11811 : 2021	Specification for alkyd resin (First		-	Indigenous
		Revision)			
3	IS 13467 : 1992	Chlorinated rubber for paints -	May, 2022	-	Indigenous
	Reviewed In: 2022	Specification			
4	IS 13467 : 2024	CHLORINATED RUBBER FOR		-	Indigenous
		PAINTS � SPECIFICATION			
		(First Revision)			
5	IS 13966 : 1994	Sodium carboxymethyl cellulose	March, 2019	-	Indigenous
	Reviewed In: 2019	for use in oil industry -			
		Specification			
6	IS 14355 : 2022	Zinc dust pigment for paints -		-	Indigenous
		Specification (First Revision)			
7	IS 14499 : 2021	Strontium chromate for paints -		-	Indigenous
		Specification (First Revision)			
8	IS 14925 : 2001	Epoxy resin for paints -	May, 2022	-	Indigenous
	Reviewed In: 2022	Specification			
	Decision taken to				
	Reaffirm and				
	Archive				
9	IS 15365 : 2019	Amino resins for paints (First		=	Indigenous
	87.060.20	Revision)			
10	IS 15366 : 2003	Dolomite for paint industry -	March 2010		Indiaanaya
10	Reviewed In: 2019	Specification	March, 2019	-	Indigenous
11	IS 17294 : 2019	Dyestuffs - Determination of	March, 2024		Identical under dual
11	ISO 7579 : 2009	solubility in organic solvents	Maich, 2024	-	
	Reviewed In : 2024	gravimetric and photometric			numbering
		methods			
12	ISO 7579 : 2009 IS 17384 : 2020	Pigments, dyestuffs and extenders -			Identical under dual
12				-	
	18451-1: 2019	Terminology - general terms			numbering
i l		l l		1	

l	ISO 18451-1: 2019	I I			
13	IS 17680 (Part 1):	Analytical colorimetry : Part 1		-	Identical under dual
	2021	practical colour measurement			numbering
	ISO 18314-1: 2015				
4.4	ISO 18314-1: 2015				T 11
14	IS 17727 : 2021	Water-soluble sodium		-	Indigenous
		carboxymethyl cellulose for paints - Specification			
15	IS 18563 : 2024	Nanomodified Paints and Coatings		_	Indigenous
13	15 10303 . 2024	� Code of Practice			margenous
16	IS 1872 : 2020	Thinner for synthetic paints and	-	_	Indigenous
		varnishes for aircrafts -			
		Specification (First Revision)			
17	IS 1873 : 2019	Antichill thinner for cellulose	March, 2024	-	Indigenous
		nitrate based paints, dopes and			
	Reviewed In: 2024	1			
	Decision taken to	Specification (First Revision)			
	Reaffirm and Archive				
18	IS 19003 : 2022	Re-dispersible polymer powder -		_	Indigenous
10	10 17000 . 2022	Specification			margenous
19	IS 289 : 2021	Aluminium paste for paints -		-	Indigenous
		Specification (Second Revision)			- 6- 4
20	IS 33 : 1992	Inorganic pigments and extenders	March, 2019	1	Indigenous
	Reviewed In: 2019	for paints - Methods of sampling			
		and test (Third Revision)			
21	IS 3493 : 1978	Methods of sampling and test for	May, 2022	1	Indigenous
	Reviewed In: 2022	organic pigments for paints (First			
	Decision taken to Reaffirm and	Revision)			
	Archive				
22	IS 35 : 2021	Zinc oxide for paints -		_	Indigenous
	10 00 . 2021	Specification (Second Revision)			maiguno us
23	IS 3520 : 1992	Water-soluble sodium	March, 2019	-	Indigenous
	Reviewed In: 2019	carboxymethyl cellulose -			
		Specification (Second Revision)			
24	IS 3526 : 1981	Specification for barium chromate	May, 2022	1	Indigenous
	Reviewed In: 2022	for paints (First Revision)			
	Decision taken to				
	Reaffirm and				
25	Archive IS 3527 : 1972	Specification for mica for paints	March, 2024	1	Indigenous
23	Reviewed In : 2024	(First Revision)	1v1a1C11, 2U27	1	margenous
	Decision taken to				
	Reaffirm and				
	Archive				
26	IS 354 (Part 1):	METHODS OF SAMPLING AND		-	Indigenous
	2024	TEST FOR RESINS FOR PAINTS			
		PART 1 GENERAL TEST			
27	IC 254 (D- + 1)	METHODS (Third Revision)	M 2022		T 1!
27	IS 354 (Part 1): 1987	Methods of sampling and test for	May, 2022	2	Indigenous
	Reviewed In: 2022	resins for paints: Part 1 general test methods (Second Revision)			
28	IS 354 (Part 2):	Resins for Paints ";½ Methods of		_	Indigenous
20	2024	Sampling and Test Part 2 Special			maigonous
		Test Methods for Alkyd Resins (
		Third Revision)			
29	IS 354 (Part 3):	Methods of sampling and test for		-	Indigenous
	2024	resins for paints: Part 3 special test			
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		methods for phenolic resins (Third Revision)			
30	IS 354 (Part 4): 2024	Resins for paints - Methods of sampling and test Part : 4 special test methods for epoxy resins		-	Indigenous
31	IS 354 (Part 5): 2024	(Third Revision) Resins for paints - Methods of sampling and test : Part 5 Special test methods for polyamide resins		-	Indigenous
32	IS 354 (Part 6): 1989	(Third Revision) Resins for paints - Methods of sampling and test: Part 6 Special	May, 2022	-	Indigenous
	Reviewed In: 2022	test methods for amino resins (Second Revision)	2000		
33	IS 354 (Part 7): 1989 Reviewed In: 2022	Resins for paints - Methods of sampling and test: Part 7 Special test methods for acrylic and vinyl acetate resins and emulsions (Second Revision)	May, 2022	-	Indigenous
34	IS 354 (Part 7): 2024	Resins for Paints i¿½Methods of Sampling and Test Part 7 Special Test Methods for Acrylic and Vinyl Acetate Emulsions (Third Revision)		-	Indigenous
35	IS 356 : 1991 Reviewed In : 2022	Ester gum - Specification (Second Revision)	May, 2022	-	Indigenous
36	IS 3574 (Part 1): 1965 Reviewed In: 2019	Specification for organic pigments for paints: Part 1 Azo pigments (toluidine red, chlorinated p- nitroaniline red, arylamide yellow, and para red)	March, 2019	-	Indigenous
37	IS 3574 (Part 2): 2000 Reviewed In: 2021	Organic pigments for paints - Specification: Part 2 phthalocyanines (First Revision)	March, 2021	-	Indigenous
38	IS 38: 1976 Reviewed In: 2019	Specification for antimony oxide	March, 2019	1	Indigenous
39	IS 40 : 2021	Carbon black for paints - Specification (Second Revision)		-	Indigenous
40	IS 411 : 2020	Titanium dioxide, anatase, for paints - Specification (Fourth Revision)	-	1	Indigenous
41	IS 44 : 1991 Reviewed In : 2022	Iron oxide pigments for paints - Specification (Second Revision)	May, 2022	1	Indigenous
42	IS 51 : 1998 Reviewed In : 2023	Zinc chrome for paints - Specification (Fourth Revision)	August, 2023	-	Indigenous
43	IS 54 : 1988 Reviewed In : 2019	Specification for green oxide of chromium for paints (Second Revision)	March, 2019	-	Indigenous
44	IS 55 : 1970 Reviewed In : 2019	Specification for ultramarine blue for paints (First Revision)	March, 2019	2	Indigenous
45	IS 553: 1984 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Specification for rosin (Gum Rosin) (Second Revision)	March, 2024	2	Indigenous
46	IS 56: 1993 Reviewed In: 2019	Prussian blue (Iron blue) for paints - Specification (Second Revision)	March, 2019	-	Indigenous
47	IS 62 : 2006 Reviewed In : 2021	Graphite for Paints-Specification	March, 2021	-	Indigenous

48	IS 63 : 2006 Reviewed In : 2021	Whiting for paint and putty - Specification (Third Revision)	March, 2021	-	Indigenous
49	IS 64 : 2023	Barium sulphate pigments for paints - Specification (Second Revision)		-	Indigenous
50	IS 642 : 2024	Varnish Medium for Aluminium Paint â€" Specification (Second Revision)		-	Indigenous
51	IS 642 : 1963 Reviewed In : 2019	Specification for varnish medium for aluminium paint (Revised)	May, 2019	2	Indigenous
52	IS 644 : 2023	Dipentene for paints - Specification (Third Revision)		-	Indigenous
53	IS 66 : 2024	Hydrated magnesium silicate (Talc) for paints - Specification (Third Revision)		-	Indigenous
54	IS 67: 1998 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Silica for paints - Specification (Second Revision)	March, 2024	-	Indigenous
55	IS 68 : 2006 Reviewed In : 2021	China clay (Kaolin) for paints - Specification (Second Revision)	March, 2021	-	Indigenous
56	IS 70 : 1980 Reviewed In : 2024	Specification for cuprous oxide for paints (First Revision)	March, 2024	2	Indigenous
57	IS 70 : 2024	Cuprous Oxide for Paints â€" Specification (Second Revision)		-	Indigenous
58	IS 74 : 1979 Reviewed In : 2022	Methods of sampling and test for drying oils for paints (Second Revision)	May, 2022	-	Indigenous
59	IS 77: 1976 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Specification for linseed oil, boiled, for paints (Second Revision)	March, 2024	-	Indigenous
60	IS 79 : 2021	Specification for linseed stand oil for paints (Second Revision)		-	Indigenous
61	IS 80 : 1991 Reviewed In : 2022	Tung oil for paints - Specification (Second Revision)	May, 2022	-	Indigenous
62	IS 81 : 1989 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Dehydrated castor oil for paints - Specification (Second Revision)	March, 2024	-	Indigenous
63	IS 82 : 1973 Reviewed In : 2022	Methods of sampling and test for thinners and solvents for paints (First Revision)	May, 2022	2	Indigenous
64	IS 840 : 1986 Reviewed In : 2022 Decision taken to Reaffirm and Archive	Cashewnut shell liquid (CNSL) (Second Revision)	May, 2022	-	Indigenous
65	IS 8766: 1978 Reviewed In: 2024 Decision taken to Reaffirm and Archive	Specification for driers for paints	March, 2024	-	Indigenous
66	IS 8767 : 2020	Calcium carbonate, precipitated, and activated, for paints - Specification (First Revision)	-	-	Indigenous

67 IS 9788 : 2023 Titanium dioxide rutile for paints-Specification (First Revision) - Indigenous

Standards under Development

	Projects Approved				
SI. No.	SI. No. Doc No. Title				
	No Records Found				

	Preliminary Draft Standards		
SI. No.	SI. No. Doc No. Title		
No Records Found			

	Drafts Standards in WC Stage				
SI. No.	Doc No.	Title			
1	CHD 21 (26606) Revision	PRUSSIAN BLUE IRON BLUE FOR PAINTS- SPECIFICATION Third Revision			
	of: IS 56:1993				
2	CHD 21 (26607) Revision	ULTRAMARINE BLUE FOR PAINTS - SPECIFICATION Second Revision			
	of: IS 55:1970				
3	CHD 21 (26609) Revision	Dolomite for paint - Specification First Revision			
	of: IS 15366:2003				
4	CHD 21 (26613) Revision	Cashewnut shell liquid CNSL -Specification Third Revision			
	of: IS 840:1986				

	Draft Standards Completed WC Stage			
SI. No.	Doc No.	Title		
1	CHD 21 (24871) Revision	IRON OXIDE PIGMENTS FOR PAINTS SPECIFICATION Third revision		
	of: IS 840:1986			
2	CHD 21 (24898) Revision	ZINC CHROME PIGMENTS FOR PAINTS SPECIFICATION Fifth Revision		
	of: IS 840:1986			
3	CHD 21 (24902) Revision	GREEN OXIDE OF CHROMIUM FOR PAINTS SPECIFICATION Third Revision		
	of: IS 840:1986			

	Finalized Draft Indian Standard			
SI. No.	SI. No. Doc No. Title			
No Records Found				

	Finalized Draft Indian Standards under Print			
SI. No.	Doc No.	Title		
1	CHD 21 (20960) Revision	METHODS OF SAMPLING AND TEST FOR RESINS FOR PAINTS PART 4 SPECIAL TEST		
	of: IS 354:1986	METHODS FOR EPOXY RESINS Third Revision		
2	CHD 21 (20968) Revision	RESINS FOR PAINTS METHODS OF SAMPLING AND TEST PART 6 SPECIAL TEST		
	of: IS 354:1989	METHODS FOR AMINO RESINS Third Revision		

Total Published Standards:61 Total Standards Under development:9

Aspect Wise Report

Product: 47 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

SI. No.	IS No. & Year	Title
1	IS 50: 1980	Withdrawl
	Reviewed In: 2019	
2	IS 58 : 1976	Withdrawl
	Reviewed In: 2019	

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10897 : 1984	Specification for zinc phosphate pigment for paints
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
2	IS 11811 : 2021	Specification for alkyd resin First Revision
	ISO 27269:2021	
3	IS 13467 : 2024	CHLORINATED RUBBER FOR PAINTS SPECIFICATION First Revision
4	IS 13966 : 1994	Sodium carboxymethyl cellulose for use in oil industry - Specification
	Reviewed In: 2019	
5	IS 14355 : 2022	Zinc dust pigment for paints - Specification First Revision
	ISO 17450-3:2016	
6	IS 14499 : 2021	Strontium chromate for paints - Specification First Revision
	ISO 20140-5 : 2017	
7	IS 14925 : 2001	Epoxy resin for paints - Specification
	Reviewed In: 2022	
	Decision taken to Reaffirm	
	and Archive	
8	IS 15365 : 2019	Amino resins for paints First Revision
	87.060.20	-
9	IS 15366 : 2003	Dolomite for paint industry - Specification
	Reviewed In: 2019	Bolomite for paint industry specification
10	IS 17727 : 2021	Water-soluble sodium carboxymethyl cellulose for paints - Specification
	8096:2005	White solution state of particles and particles are particles.
11	IS 1872 : 2020	Thinner for synthetic paints and varnishes for aircrafts - Specification First Revision
	10 10/2:2020	Timinor for symmetre paints and farmones for aircrafts appearment on a not re-isson
12	IS 1873 : 2019	Antichill thinner for cellulose nitrate based paints dopes and lacquers for aircrafts - Specification First Revision
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
13	IS 19003 : 2022	Re-dispersible polymer powder - Specification
	ISO/TR 4421:2023	
14	IS 289 : 2021	Aluminium paste for paints - Specification Second Revision
15	IS 35 : 2021	Zinc oxide for paints - Specification Second Revision
15	18 35 : 2021	Zinc oxide for paints - Specification Second Revision

	iso 26262-4:2018	
16	IS 3520 : 1992	Water-soluble sodium carboxymethyl cellulose - Specification Second Revision
	Reviewed In: 2019	
17	IS 3526 : 1981	Specification for barium chromate for paints First Revision
	Reviewed In: 2022	
	Decision taken to Reaffirm	
	and Archive	
18	IS 3527 : 1972	Specification for mica for paints First Revision
	Reviewed In: 2024	•
	Decision taken to Reaffirm	
	and Archive	
19	IS 356 : 1991	Ester gum - Specification Second Revision
	Reviewed In: 2022	
20	IS 3574 (Part 1): 1965	Specification for organic pigments for paints Part 1 Azo pigments toluidine red chlorinated p-
	Reviewed In: 2019	nitroaniline red arylamide yellow and para red
21	IS 3574 (Part 2) : 2000	Organic pigments for paints - Specification Part 2 phthalocyanines First Revision
	Reviewed In: 2021	organio premino 101 panio opovinomi i art 2 primaroo jamino 1 not 100 not
22	IS 38 : 1976	Specification for antimony oxide for paints First Revision
	Reviewed In: 2019	Specification for untimony oxide for pullity 1 its (CVIsion
23	IS 40 : 2021	Carbon black for paints - Specification Second Revision
23	ISO/IEC 19086 - 3 : 2017	Caroon older for paints openitedition occount revision
24	IS 411 : 2020	Titanium dioxide anatase for paints - Specification Fourth Revision
24	15 411 . 2020	Trainfull dioxide anatase for paints - Specification Fourth Revision
25	IS 44 : 1991	Iron oxide pigments for paints - Specification Second Revision
23	Reviewed In : 2022	from oxide pigments for paints - Specification Second Revision
26	IS 51 : 1998	Zinc chrome for paints - Specification Fourth Revision
20	Reviewed In : 2023	Zinc chrome for paints - Specification Fourth Revision
27	IS 54: 1988	Specification for green oxide of chromium for paints Second Revision
21	Reviewed In : 2019	specification for green oxide of chromium for paints second Revision
28	IS 55 : 1970	Specification for ultramarine blue for paints First Revision
20	Reviewed In : 2019	Specification for untrainable office for paints first Revision
29	IS 553 : 1984	Specification for rosin Gum Rosin Second Revision
29	Reviewed In : 2024	Specification for fostil Guill Rosin Second Revision
	Decision taken to Reaffirm	
	and Archive	
30	IS 56 : 1993	Prussian blue Iron blue for paints - Specification Second Revision
30	Reviewed In : 2019	Frussian olde from olde for paints - Specification Second Revision
21	IS 62 : 2006	Coordita for Dainta Considiration
31		Graphite for Paints-Specification
22	Reviewed In: 2021	White Consider a locate Consider Third Desiring
32	IS 63: 2006	Whiting for paint and putty - Specification Third Revision
22	Reviewed In : 2021	Donium outshots nigneants for asints. Considiration Consul Desiries
33	IS 64 : 2023	Barium sulphate pigments for paints - Specification Second Revision
2.4	IC (42, 2024	Vermick Medium for Aleminian Print County of Co. 12
34	IS 642 : 2024	Varnish Medium for Aluminium Paint Specification Second Revision
2.5	10.644.0000	
35	IS 644 : 2023	Dipentene for paints - Specification Third Revision
2.	10.55.000	YY 1 . 1
36	IS 66 : 2024	Hydrated magnesium silicate Talc for paints - Specification Third Revision
	1	
37	IS 67: 1998	Silica for paints - Specification Second Revision
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
38	IS 68 : 2006	China clay Kaolin for paints - Specification Second Revision
	Reviewed In: 2021	
39	IS 70 : 2024	Cuprous Oxide for Paints Specification Second Revision
40	IS 77 : 1976	Specification for linseed oil boiled for paints Second Revision

47	IS 9788 : 2023	Titanium dioxide rutile for paints- Specification First Revision
46	IS 8767 : 2020	Calcium carbonate precipitated and activated for paints - Specification First Revision
	and Archive	
43	Decision taken to Reaffirm	
	Reviewed In : 2024	opecification for differs for paints
45	IS 8766 : 1978	Specification for driers for paints
	and Archive	
	Reviewed In : 2022 Decision taken to Reaffirm	
44	IS 840 : 1986	Cashewnut shell liquid CNSL Second Revision
	and Archive	
	Decision taken to Reaffirm	
	Reviewed In: 2024	
43	IS 81 : 1989	Dehydrated castor oil for paints - Specification Second Revision
	Reviewed In: 2022	
42	IS 80 : 1991	Tung oil for paints - Specification Second Revision
41	IS 79 : 2021	Specification for linseed stand oil for paints Second Revision
4.4	and Archive	
	Decision taken to Reaffirm	
	Reviewed In: 2024	