## **BUREAU OF INDIAN STANDARDS**

## **Program of Work**

### **CHD 5: Electroplating Chemicals And Photographic Materials**

Scope:

a) To formulate Indian Standards on terminology, methods of sampling and tests, processes, codes of practice for sampling, packaging, storage, and specifications for electroplating and photographic chemicals, photographic paper, films, sizes of spools and related materials. b) To co-ordinate with the work of i) ISO/TC 42 Photography

**Published Standards** 

Liaison:

Archive IS 10982 : 1984

Reviewed In: 2024

#### S.No IS No. TITLE Reaffirm M-Y No. of Amds Eqv. IS 10246 : 1982 Specification for N, N - Diethyl - P Indigenous April, 2024 Reviewed In: 2024 - Phenylene diamine sulphate, Decision taken to photographic grade Reaffirm and Archive IS 10329: 1982 Method for sensitometry of April, 2024 Indigenous Reviewed In: 2024 photographic papers Decision taken to Reaffirm and Archive 3 IS 10396: 1982 Methods for determination of curl April, 2024 Indigenous Reviewed In: 2024 of photographic film Decision taken to Reaffirm and Archive IS 10419: 1982 Method for determination of April, 2024 Indigenous Reviewed In: 2024 brittleness of photographic film Decision taken to Reaffirm and Archive Potassium Sulphite, 650 g/l IS 10438: 2024 Identical under dual ISO 5990: 2000 Aqueous Solution for Photographic numbering ISO 5990: 2000 Industry â€" Specification IS 10438: 1983 Identical under dual Specification for potassium May, 2024 Reviewed In: 2024 sulphite, 650 g/1 aqueous solution numbering ISO 5990: 2000 for photographic industry IS 10472: 1983 Specification for filter aid powder April, 2024 Indigenous Reviewed In: 2024 for use in electroplating Specification for sodium IS 10668 : 1983 8 April, 2024 Indigenous Reviewed In: 2024 formaldehyde bisulphite, Decision taken to anhydrous, photographic grade Reaffirm and

Specification for strontium

sulphate for electroplating

May, 2024

Indigenous

10	IS 11484 : 1985	Specification for phenol sulphonic	May, 2024	1 -	Indigenous
	Reviewed In: 2024	acid for electroplating	•		
11	IS 11603 : 2024	Ammonium Thiocyanate,		-	Identical under dual
	ISO 3622 : 1996	Photographic Grade â€"			numbering
	ISO 3622 : 1996	Specification (First Revision)			
12	IS 11751 : 2024	Sodium Sulphite, Anhydrous,		-	Identical under dual
	ISO 418: 2001	Photographic Grade â€"			numbering
	ISO 418: 2001	Specification (First Revision)			
13	IS 11752 : 2024	Sodium Metabisulphite,		-	Identical under dual
	ISO 3627 : 2001	Anhydrous, Photographic Grade?			numbering
	ISO 3627 : 2001	Specification (First Revision)			
14	IS 11788 : 1986	Specification for 2 - Amino - 5 -	April, 2024	-	Indigenous
	Reviewed In: 2024	Diethylaminotoluene			
	Decision taken to	hydrochloride, photographic grade			
	Reaffirm and				
	Archive				
15	IS 12121 : 1987	Specification for sodium	May, 2024	-	Not Equivalent
	Reviewed In: 2024	carbonate, anhydrous,			
	ISO 424:1994	photographic grade			
16	IS 12125 : 1987	Specification for benzotriazole,	May, 2024	-	Identical under dual
	Reviewed In: 2024	photographic grade			numbering
	ISO 3618 :1994				
17	IS 12125 : 2024	Benzotriazole, Photographic Grade		-	Identical under dual
	ISO 3618 :1994	â€" Specification (First Revision)			numbering
	ISO 3618 :1994				
18	IS 12201 : 1987	Specification for hydro fluosilicic	May, 2024	-	Indigenous
	Reviewed In: 2024	acid for electroplating			
19	IS 12495 : 1988	Specification for potassium	May, 2024	=	Identical under dual
	Reviewed In: 2024	ferricyanide photographic grade			numbering
	ISO 3624 : 1994				
20	IS 12495 : 2024	Potassium Ferricyanide,		=	Identical under dual
	ISO 3624 : 1994	Photographic Grade â€"			numbering
	ISO 3624 : 1994	Specification (First Revision)			
21	IS 12496 : 1988	Sizes of film for industrial	April, 2024	-	Indigenous
	Reviewed In: 2024	radiography			
	Decision taken to				
	Reaffirm and				
	Archive				
22	IS 12517 : 1988	Specification for sizes of	April, 2024	-	Indigenous
	Reviewed In: 2024	photographic film for graphic arts			
	Decision taken to	use			
	Reaffirm and				
125	Archive	9 10 1 6		+	T "
23	IS 12519 : 1988	Specification for zinc	April, 2024	-	Indigenous
24	Reviewed In: 2024	pyrophosphate for electroplating	A:1 2024		To diagnose.
24	IS 12533 : 1988	Specification for sizes of paper in	April, 2024	-	Indigenous
	Reviewed In: 2024	rolls for phototypesetting and			
	Decision taken to Reaffirm and	photolettering devices			
25	Archive IS 12551 : 1988	Specification for retractive	A mail 2024		Indianassa
23		Specification for potassium	April, 2024	-	Indigenous
26	Reviewed In: 2024 IS 12557: 1988	pyrophosphate for electroplating Specification for sodium	A mail 2024	+	Indianassa
20		*	April, 2024	_	Indigenous
27	Reviewed In: 2024 IS 12846: 2023	pyrophosphate for electroplating			Indiagnous
4/	13 14040 . 4043	Boric Acid Photographic GradeSpecification First Revision		_	Indigenous
28	IS 12865 : 1989	Potassium persulphate,	April, 2024	_	Indigenous
20		photographic grade - Specification	Aprii, 2024	_	muigenous
	Decision taken to	photographic grade - Specification			
	Decision taken to				

Archive   Aluminium potassium sulphate   April, 2024   Indigenous   Potashalam), photographic grade - Specification   Specification   April, 2024   Indigenous   Specification   April, 2024   Indigenous   Specification   Restirem and Archive   Society   April, 2024   Indigenous   April, 2024   April, 2024   Indigenous   April, 2024   Indigeno		Reaffirm and	1		I	
Reviewed In: 2024   Potashalum, photographic grade   Specification   Specification   April, 2024   Indigenous   Indigenous   Specification   April, 2024   Indigenous   Indigenous   April, 2024   Indigenous   Specification   April, 2024   Indigenous   Indigenous   Specification   April, 2024   Indigenous   Indigenous   April, 2024   Indigenous   Indigenous   April, 2024   Indigenous   Indigenous   April, 2024   Indigenous   Indigenous   April, 2024   Indigenous   Indige		Archive				
Decision taken to Reaffirm and Archive  30 IS 12925 1990 Ferric ammonium edta solution Reviewed In: 2024 photographic grade - Specification Decision taken to Reaffirm and Archive  31 IS 13014: 1990 Sedium gluconate for Reviewed In: 2024 Poetion taken to Reaffirm and Archive  32 IS 13075: 1991 Reviewed In: 2024 Poetion taken to Reaffirm and Archive  33 IS 13014: 1991 Poetion taken to Reaffirm and Archive  34 IS 13105: 2024 Poetion taken to Reaffirm and Archive  35 IS 13005: 2024 Poetion taken to Reaffirm and Archive  36 IS 13105: 2024 Poetion taken to Reaffirm and Archive  37 IS 1305: 2024 Poetion taken to Reaffirm and Archive  38 IS 13105: 2024 Poetion taken to Reaffirm and Archive  39 IS 13105: 2024 Poetion taken to Reaffirm and Archive  30 IS 13105: 2024 Poetion taken to Reaffirm and Archive  30 IS 13105: 2024 Poetion taken to Reaffirm and Archive  31 IS 13105: 2024 Poetion taken to Reaffirm and Archive  32 IS 13105: 2024 Poetion taken to Reaffirm and Archive  33 IS 13105: 2024 Poetion taken to Reaffirm and Archive  34 IS 13105: 2024 Poetion taken to Reaffirm and Archive  35 IS 13105: 2024 Poetion taken to Reaffirm and Archive  36 IS 13105: 2024 Poetion taken to Reaffirm and Archive  37 IS 1338: 2024 Poetion taken to Reaffirm and Poetion Po	29		Aluminium potassium sulphate	April, 2024	-	Indigenous
Reafirm and Archive   Solution   April, 2024   Solution   April, 2024   Indigenous   April, 2024   I		Reviewed In: 2024	(Potashalum), photographic grade -			
Archive   Solution   April. 2024   Peric ammonium edita solution   Peric ammonium ed			Specification			
30		Reaffirm and				
Reviewed In: 2024   Decision taken to Reaffirm and Archive						
Decision taken to Reaffirm and Archive	30	IS 12925 : 1990	Ferric ammonium edta solution	April, 2024	-	Indigenous
Reaffirm and Archive   31   IS 13014: 1990   Sodium gluconate for   April, 2024   - Indigenous   Reviewed In: 2024   Decision faken to Reaffirm and Archive   April, 2024   - Indigenous   April, 2024   April, 2024   - Indigenous   April, 2024   -		Reviewed In: 2024	photographic grade - Specification			
Archive   31   IS 13014: 1990   Sodium gluconate for   April. 2024   - Indigenous   Reviewed In: 2024   Decision taken to Reaffirm and Archive   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   Sulphate, Monohydrate), Photographic Grade (CD - 4)   S 18 1305: 2024   Photographic Grade (CD - 4)   S 18 1305: 2024   Photographic Grade (CD - 4)   S 18 1305: 2024   Photographic Grade (CD - 4)   S 18 1305: 2024   Photographic Grade (CD - 4)   S 18 1305: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   S 18 13105: 2024   Photographic Grade (CD - 3)   Photographic Grade (CD - 3)   S 18 1318: 1992   Photographic Grade (CD - 3)   Photographic Gra						
31   S   13014   1990   Reviewed In : 2024   Celectroplating - Specification   April, 2024   - Indigenous   Reviewed In : 2024   Decision taken to Reaffirm and Archive   Archive   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2024   Reviewed In : 2024   S   1300		Reaffirm and				
Reviewed In : 2024   Reviewed In : 2024   Decision taken to Reaffirm and Archive   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   Sequi   Si 13105 : 2024   Decision taken to Reaffirm and Archive   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   Sequi   Si 13105 : 2024   Decision taken to Reaffirm and Archive   34   IS 13105 : 2024   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   Sequi   Sulphate; Photographic grade (CD - Reaffirm and Archive   Si 13105 : 2024   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene, Seequi   Sulphate; Monohydrate, Photographic Grade (CD - 3) (First Revision)   Reviewed In : 2024   Decision taken to Reaffirm and Archive   Si 13105 : 1991   Reviewed In : 2024   Methane Sulphonamido Ethyl)   Aminotoluene, Seequi Sulphate (Monohydrate), Photographic Grade (Cd - 3) (First Revision)   Si 13106 : 2024   Detail of the sequi   Si 13106 : 2024   Potassium Bromide, Photographic Grade (Cd - 3)   Si 13381 : 1992   Potassium Bromide, Photographic grade (Cd - 3)   Revision)   Revision)   Si 13381 : 1992   Potassium Carbonate, Anhydrous   May, 2024   Indigenous   Indigenous   Revision)   Revision   Si 13443 : 1992   Potassium Carbonate, Anhydrous   May, 2024   Indigenous   Indigenous   Revision   Si 13443 : 1992   Potassium Carbonate, Anhydrous   April, 2024   Indigenous   Revision   Si 13443 : 1992   Potassium Carbonate, Anhydrous   April, 2024   Indigenous   Revision   Si 13443 : 1992   Revision   Specification						
32   IS 13075   1991   Reviewed In : 2024   Decision taken to Reaffirm and Archive   33   IS 13104   1991   Potassium Fornitors   Potassium Sulphonamido Ethyl)   Aminotoluene, Sesqui Sulphate (Monohydrate), Photographic Grade (CD - Reviewed In : 2024   Potassium Garbonate, Anhydrox and Sulphate, Photographic grade (CD - Reviewed In : 2024   Potassium Carbonate, Anhydrox and Sulphate, Photographic Grade (CD - Reviewed In : 2024   Potassium Carbonate, Anhydrox and Sulphate, Photographic Grade (CD - Reviewed In : 2024   Potassium Carbonate, Anhydrox and Sulphate, Photographic Grade (CD - Reviewed In : 2024   Potassium Carbonate, Anhydrox and Sulphate, Photographic Grade (CD - Reviewed In : 2024   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Anhydrox and Sesquihydrate, Photographic Grade & Specification (First Revision)   Potassium Carbonate, Photographic Specification	31		_	April, 2024	-	Indigenous
Reviewed In : 2024   Decision taken to Reaffirm and Archive			<u> </u>			
Decision taken to Reaffirm and Archive	32	IS 13075 : 1991	Sizes of rolls of black and white	April, 2024	-	Indigenous
Reaffirm and Archive   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   2 - Amino - 5[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   34   IS 13105 : 2024   2 - Amino - 5-[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   34   IS 13105 : 2024   2 - Amino - 5-[N - Ethyl N - 2, hydroxy ethyl] aminotoluene   34   Salphate (Monohydrate), Photographic Grade (CD - 3) (First Revision)   35   IS 13105 : 1991   Reviewed In : 2024   2 - Amino - 5 - [N - Ethyl N - (2 - May, 2024   1 - Indigenous   2 - Amino - 5 - [N - Ethyl N - (2 - May, 2024   1 - Indigenous   2 - Amino - 5 - [N - Ethyl N - (2 - May, 2024   1 - Indigenous   36   IS 13106 : 2024   4 - Indigenous			and colour paper for roll paper			
Archive			printers			
33		Reaffirm and				
Reviewed In : 2024   Decision taken to Reaffirm and Archive						
Decision taken to Reaffirm and Archive	33		-	April, 2024	-	Indigenous
Reaffirm and Archive						
Archive     2-Amino-5-[N-Ethyl-N-(2-Methane Sulphonamido Ethyl)] Aminotoluene, Sesqui Sulphate (Monohydrate), Photographic Grade (CD-3) (First Revision)   2-Amino-5-[N-Ethyl-N-(2-Methane Sulphonamido Ethyl)] Aminotoluene, Sesqui Sulphate (Monohydrate), Photographic Grade (CD-3) (First Revision)   2-Amino-5-[N-Ethyl-N-(2-Methane Sulphonamido Ethyl)] aminotoluene, sesqui sulphate (Monohydrate), photographic grade (Cd-3)   36			sulphate,photographic grade (CD -			
34			4)			
N-(2-Methane Sulphonamido Ethyl)] Aminotoluene, Sesqui Sulphate (Monohydrate), Photographic Grade (CD-3) (First Revision)  35						
Ethyl)] Aminotoluene, Sesqui Sulphate (Monohydrate), Photographic Grade (CD-3) (First Revision)  35	34	IS 13105 : 2024			-	Indigenous
Sulphate (Monohydrate),   Photographic Grade (CD-3) (First Revision)			•			
Photographic Grade (CD-3) (First Revision)  35			• • •			
Revision)  Reviewed In: 2024  Reviewed In: 2024  Methane Sulphonamido Ethyl) I aminotoluene, sesqui sulphate (Monohydrate), photographic grade (Cd - 3)  IS 13106: 2024 ISO 420: 1994  ISO 420: 1994  Reviewed In: 2024  Revision)  Reviewed In: 2024  Revision)  Reviewed In: 2024  Revision)  Reviewed In: 2024  Revision)  Revision)  May, 2024  Identical under dual numbering  Revision)  May, 2024  Indigenous  May, 2024  Indigenous  April, 2024  Indigenous  April, 2024  Indigenous  Reviewed In: 2024  Revision)  Reviewed In: 2024  Indigenous  April, 2024  April, 2024  Indigenous  Reviewed In: 2024  Decision taken to Reaffirm and Archive  Indigenous  April, 2024  Indigenous  April, 2024  Indigenous  April, 2024  Indigenous  Indigenous  April, 2024  Indigenous  Indigenous  Indigenous  Indigenous						
35						
Reviewed In : 2024   Methane Sulphonamido Ethyl)   aminotoluene, sesqui sulphate (Monohydrate), photographic grade (Cd - 3)			· · · · · · · · · · · · · · · · · · ·			
aminotoluene, sesqui sulphate (Monohydrate), photographic grade (Cd - 3)  36	35		-	May, 2024	-	Indigenous
Monohydrate), photographic grade (Cd - 3)   IS 13106 : 2024   Potassium Bromide, Photographic ISO 420 : 1994   Grade â€" Specification (First Revision)   IS 13381 : 1992   Potassium carbonate, anhydrous and sesquihydrate, photographic grade - specification (First Revision)   Indigenous and Sesquihydrate, Photographic Grade â€"Specification (First Revision)		Reviewed In: 2024	*			
CCd - 3)   CCd - 3)   CCd - 3						
Signature   Sig						
ISO 420 : 1994   Grade â€" Specification (First Revision)			` ′			
ISO 420 : 1994   Revision   Revision	36		~ .		-	
S						numbering
Reviewed In : 2024 and sesquihydrate, photographic grade - specification  38 IS 13381 : 2024 Potassium Carbonate, Anhydrous and Sesquihydrate, Photographic Grade â€"Specification (First Revision)  39 IS 13443 : 1992 Methylene chloride for degreasing Prior to electroplating - Specification  40 IS 13651 : 1993 I - 1 - 1 trtchloroethane (Methyl Reviewed In : 2024 Chloroform) for electroplating - Specification  41 IS 15304 : 2003 Dipotassium hydrogen phosphate Reviewed In : 2024 Decision taken to Reaffirm and Archive  42 IS 1809 : 1979 Specification for nickel salts for Reviewed In : 2019 electroplating (Second Revision)			· · · · · · · · · · · · · · · · · · ·			
grade - specification  38 IS 13381 : 2024 Potassium Carbonate, Anhydrous and Sesquihydrate, Photographic Grade â€"Specification (First Revision)  39 IS 13443 : 1992 Reviewed In : 2024 Prior to electroplating - Specification  40 IS 13651 : 1993 Reviewed In : 2024 Choroform) for electroplating - Specification  41 IS 15304 : 2003 Reviewed In : 2024 Decision taken to Reaffirm and Archive  42 IS 1809 : 1979 Reviewed In : 2019 Revie	37		1	May, 2024	-	Indigenous
38       IS 13381 : 2024       Potassium Carbonate, Anhydrous and Sesquihydrate, Photographic Grade â€"Specification (First Revision)       -       Indigenous         39       IS 13443 : 1992 Reviewed In : 2024       Methylene chloride for degreasing prior to electroplating - Specification       April, 2024       -       Indigenous         40       IS 13651 : 1993 Reviewed In : 2024 Reviewed In : 2024 Decision taken to Reaffirm and Archive       1 - 1 - 1 trtchloroethane (Methyl Decision taken to Reaffirm and Archive       April, 2024 April		Reviewed In: 2024				
and Sesquihydrate, Photographic Grade â€"Specification (First Revision)  39 IS 13443:1992 Reviewed In: 2024 Prior to electroplating - Specification  40 IS 13651:1993 Reviewed In: 2024 Chloroform) for electroplating - Specification  41 IS 15304:2003 Reviewed In: 2024 Decision taken to Reaffirm and Archive  42 IS 1809:1979 Reviewed In: 2019 Reviewed In: 2019 Reviewed In: 2019  Specification for nickel salts for electroplating (Second Revision)  April, 2024  April, 2024  April, 2024  - Indigenous  April, 2024  - Indigenous		YG 12201 2021				
Grade â€"Specification (First Revision)  39 IS 13443: 1992 Methylene chloride for degreasing prior to electroplating - Specification  40 IS 13651: 1993   1 - 1 - 1 trtchloroethane (Methyl Chloroform) for electroplating - Specification  41 IS 15304: 2003   Dipotassium hydrogen phosphate Reviewed In: 2024   Decision taken to Reaffirm and Archive  42 IS 1809: 1979   Specification (First Revision)   Revision   April, 2019   Indigenous   Indigenou	38	IS 13381 : 2024			-	Indigenous
Revision)  39 IS 13443: 1992 Reviewed In: 2024 Prior to electroplating - Specification  40 IS 13651: 1993 Reviewed In: 2024 Chloroform) for electroplating - Specification  41 IS 15304: 2003 Reviewed In: 2024 Decision taken to Reaffirm and Archive  42 IS 1809: 1979 Reviewed In: 2019						
Seviewed In : 2024   Methylene chloride for degreasing prior to electroplating - Specification			-			
Reviewed In: 2024 prior to electroplating - Specification  40 IS 13651: 1993	120	IC 12442 1002	,	A == =:1 2024		To dia so so s
Specification  40 IS 13651: 1993	39			April, 2024	-	indigenous
40		keviewed in: 2024				
Reviewed In: 2024 Chloroform) for electroplating - Specification  41 IS 15304: 2003 Dipotassium hydrogen phosphate Reviewed In: 2024 for electroplating - Specification  Decision taken to Reaffirm and Archive  42 IS 1809: 1979 Specification for nickel salts for Reviewed In: 2019 electroplating (Second Revision)	40	IC 12651 1002		Mar. 2024		T., J!
Specification  41 IS 15304 : 2003 Dipotassium hydrogen phosphate Reviewed In : 2024 For electroplating - Specification  42 IS 1809 : 1979 Reviewed In : 2019 Electroplating (Second Revision)  Specification  April, 2024 - Indigenous  April, 2024 - Indigenous  42 IS 1809 : 1979 Specification for nickel salts for Electroplating (Second Revision)	40			May, 2024	_	indigenous
41 IS 15304 : 2003 Reviewed In : 2024 for electroplating - Specification  Pecision taken to Reaffirm and Archive  42 IS 1809 : 1979 Reviewed In : 2019 Electroplating (Second Revision)  Dipotassium hydrogen phosphate April, 2024 - Indigenous Indigenous - Indigenous Indigenous -		keviewed in : 2024				
Reviewed In: 2024 Decision taken to Reaffirm and Archive  42 IS 1809: 1979 Specification for nickel salts for Reviewed In: 2019 electroplating (Second Revision)  Reviewed In: 2019 Indigenous	A 1	IC 15204 - 2002		April 2024		Indianassa
Decision taken to Reaffirm and Archive  42 IS 1809: 1979 Specification for nickel salts for Reviewed In: 2019 electroplating (Second Revision)  1 Indigenous	41			Apili, 2024	_	margenous
Reaffirm and Archive  42 IS 1809: 1979 Specification for nickel salts for Reviewed In: 2019 electroplating (Second Revision)  1 Indigenous			101 electropiating - specification			
Archive  42 IS 1809 : 1979 Specification for nickel salts for Reviewed In : 2019 electroplating (Second Revision)  1 Indigenous						
42 IS 1809: 1979 Specification for nickel salts for Reviewed In: 2019 Specification (Second Revision)  1 Indigenous						
Reviewed In: 2019 electroplating (Second Revision)	42		Specification for night solts for	Juna 2010	1	Indianous
	444		-	Julie, 2019	1	margenous
15 1507. 2024 Pricker Saits for Electropiating at Transfer and Transfe	12					Indiganous
	73	15 1007 . 2024	Toker Suits for Dicerropiating at		1	margenous

1	I	Specification (Third Revision)		1	1
44	IS 1880 : 1977	Specification for zinc oxide and	April, 2024	-	Indigenous
	Reviewed In: 2024	zinc salts for electroplating (First	-		
		Revision)			
45	IS 2211 : 1993	Anhydrous sodium thiosulphate,	June, 2019	-	Identical under dual
	Reviewed In: 2019	photographic grade - Specification			numbering
	ISO 10636 : 1994	. (Second Revision)			
46	IS 2211 : 2024	Sodium Thiosulphate, Anhydrous		-	Identical under dual
	ISO 10636 : 1994	and Pentahydrate, Photographic			numbering
	ISO 10636 : 1994	Grade â€" Specification (Third			
47	10.0014 1077	Revision)	37 2024		Y 1'
47	IS 2214 : 1977	Specification for silver nitrate,	May, 2024	=	Indigenous
	Reviewed In: 2024	pure and analytical reagent (First			
48	IS 2318 : 1980	Revision) Specification for silver nitrate,	May, 2024		Indiannous
40	Reviewed In : 2024	photographic grade (Second	May, 2024	-	Indigenous
	Decision taken to	Revision)			
	Reaffirm and	Kevision)			
	Archive				
49	IS 246 : 1986	Specification for sodium	June, 2019	-	Not Equivalent
	Reviewed In: 2019	thiosulphate, crystalline,	20110, 2017		1.5t Equituont
	ISO 10636:1994	photographic grade (Fourth			
		Revision)			
50	IS 3026 : 2024	TIN SALTS FOR		-	Indigenous
		ELECTROPLATING -			
		SPECIFICATION Third Revision			
51	IS 330 : 2023	CHROMIUM TRIOXIDE -		-	Indigenous
		SPECIFICATION Third Revision			
52	IS 388 : 2024	Hydroquinone, Photographic		-	Identical under dual
	ISO 423: 1994	Grade â€" Specification (Fourth			numbering
	ISO 423 : 1994	Revision)			
53	IS 4173 : 1975	Specification for 4 -	June, 2019	1	Indigenous
	Reviewed In: 2019	Methylaminophenol sulphate (First			
		Revision)			
54	IS 4173 : 2024	4-Methylaminophenol Sulphate		-	Indigenous
		â€" Specification (Second			
	IC 4046 1060	Revision)	1 2010		Y 1'
55	IS 4846 : 1968	Specification for sodium potassium	June, 2019	-	Indigenous
56	Reviewed In: 2019 IS 4846: 2024	tartrate (Rochelle Salt) Sodium Potassium Tartrate			Indiannous
30	15 4640 : 2024	(Rochelle Salt) â€" Specification		-	Indigenous
		(First Revision)			
57	IS 4847 : 2006	Copper salts for electroplating -	May, 2024	_	Indigenous
	Reviewed In : 2024	Specification (Second Revision)	111uy, 2027		muigenous
58	IS 4847 : 2024	Copper Salts for Electroplating -		_	Indigenous
		Specification (Third Revision)			
59	IS 500 : 2024	Potassium Metabisulphite,		-	Identical under dual
	ISO 3629:2000	Photographic Grade â€"			numbering
L	ISO 3629:2000	Specification (Fifth Revision)			
60	IS 5003 : 2024	Cadmium Oxide for Electroplating		-	Indigenous
		- Specification (First Revision)			
61	IS 5003 : 1968	Specification for cadmium oxide	May, 2024	-	Indigenous
	Reviewed In: 2024	for electroplating			
62	IS 5379 : 1969	Ammonium thiosulphate,	June, 2019	1	Not Equivalent
	Reviewed In: 2019	photographic grade			
	ISO 3619:1994				1
63	IS 5380 : 1976	Specification for sodium bromide,	April, 2024	-	Indigenous
		photographic grade (First Revision)			
	Decision taken to				
	-	•		=	•

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	Archive				
64	IS 557 : 2024	Sodium Acetate, Photographic		-	Identical under dual
	ISO 3943 : 1993	Grade â€" Specification (Fourth			numbering
	ISO 3943 : 1993	Revision)			
65	IS 5761 (Part 1):	Specification for gold cyanide and	May, 2024	-	Indigenous
	1984	gold potassium cyanide for			
	Reviewed In: 2024	electroplating: Part 1 for			
		commercial/engineering			
66	IS 5761 (Part 2):	applications (First Revision)  Specification for gold cyanide and	May, 2024		Indigenous
00	1984	gold potassium cyanide for	May, 2024	_	margenous
	Reviewed In: 2024	electroplating: Part 2 for special			
		applications (First Revision)			
67	IS 6139 : 1990	Sizes of black and white and colour	April, 2024	-	Indigenous
	Reviewed In: 2024	photographic paper in sheets for	_		
	Decision taken to	general use specification (First			
	Reaffirm and	Revision)			
- 60	Archive	g 161 1 6 11	Y 2010		
68	IS 6155 : 1987	Specification for sodium	June, 2019	-	Identical under dual
	Reviewed In : 2019	carbonate, monohydrate,			numbering
69		photographic grade (First Revision) Sodium Carbonate, Anhydrous and			Identical under dual
09	ISO 424 : 1994	Monohydrate, Photographic Grade		_	numbering
	ISO 424 : 1994	â€" Specification (Second			numbering
	150 121.1771	Revision)			
70	IS 6212 : 1992	Determination of thiosulphate and	April, 2024	-	Indigenous
	Reviewed In: 2024	other residual chemicals in	•		
	Decision taken to	processed photographic films,			
	Reaffirm and	plates and papers - Method of test			
	Archive	(First Revision)			
71		Specification for silver cyanide and	May, 2024	1	Indigenous
	Reviewed In: 2024	silver potassium cyanide for			
72	IS 6267 : 2024	electroplating Silver Cyanide and Silver			Indigenous
12	13 0207 , 2024	Potassium Cyanide for		_	margenous
		Electroplating - Specification (First			
		Revision)			
73	IS 6358 : 2024	Potassium and Sodium Cyanides		-	Indigenous
		for Electroplating - Specification			
		(First Revision)			
74	IS 6358 : 1971	Specification for potassium and	May, 2024	1	Indigenous
7.	Reviewed In : 2024	sodium cyanides for electroplating	3.5 202.5		7 7
75	IS 6588 : 1972	Specification for gold chloride	May, 2024	-	Indigenous
	Reviewed In: 2024 Decision taken to	(Chloroauric Acid)			
	Reaffirm and				
	Archive				
76	IS 6650 : 1972	Method for the determination of	April, 2024	-	Indigenous
	Reviewed In: 2024	residual thiosulphate and	1 /		
	Decision taken to	tetrathionate in processed			
	Reaffirm and	photographic papers			
	Archive				
77	IS 6678 : 2024	Ammonium Thiosulphate Solution,		-	Identical under dual
	ISO 3619 : 1994	Photographic Grade â€"			numbering
78	ISO 3619 : 1994 IS 7038 : 1973	Specification (First Revision) Specification for chloroplatinic	April, 2024		Indiaanova
/8	18 /038 : 19/3 Reviewed In : 2024	acid (Platinum Chloride)	Арги, 2024	_	Indigenous
	Decision taken to	acid (1 iaunum cinoride)			
	unon to	l l			

	Reaffirm and Archive				
79	IS 7067 : 1973 Reviewed In : 2024	Specification for fluoboric acid and metal fluoborates for electroplating	May, 2024	-	Indigenous
80	IS 8281 : 1976 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for hydroxylamine sulphate, photographic grade	April, 2024	-	Indigenous
81	IS 8590 : 2023	INDIUM SULPHATE FOR ELECTROPLATING� SPECIFICATION (First Revision)		-	Indigenous
82	IS 8984 : 1978 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Dimensions of 127, 120 and 620 roll film, backing paper and film spools	April, 2024	1	Indigenous
83	IS 9341 : 1979 Reviewed In : 2024	Specification for sulphamic acid for electroplating	May, 2024	-	Indigenous
84	IS 9342 : 1987 Reviewed In : 2024	Specification for sodium hypophosphite for electroless plating (First Revision)	May, 2024	1	Indigenous
85	IS 9343 : 1979 Reviewed In : 2024 Decision taken to Reaffirm and Archive	1-phenyl-3-pyrazolidone, photographic grade	April, 2024	1	Indigenous
86	IS 9909 : 2023	Specification For Succinic Acid For Electroless Plating First Revision		-	Indigenous
87	IS 9923 : 1981 Reviewed In : 2024	Specification for palladium salts for electroplating	April, 2024	-	Indigenous
88	IS 9924 : 2024	Rhodium Salts for Electroplating â€" 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.	SI. No. Doc No. Title				
	No Records Found				

Draft Standards Completed WC Stage				
SI. No.	Doc No.	Title		
1	CHD 5 (25544)	Strontium Sulphate for Electroplating - Specification first revision		
2	CHD 5 (25545)	Hydrofluosilicic Acid for Electroplating - Specification first revision		

3	CHD 5 (25595)	Photography - Photographic Grade Chemicals - Test methods - Part 1 General
4	CHD 5 (25599)	Photography - Photographic Grade Chemicals - Test Methods - Part 2 Determination of Matter
		Insoluble in Water
5	CHD 5 (25601)	Photography - Photographic Grade Chemicals - Test Methods - Part 3 Determination of Matter
		Insoluble in Ammonium Hydroxide Solution
6	CHD 5 (25602)	Photography - Photographic Grade Chemicals - Test Methods - Part 4 Determination of Residue
		after Ignition
7	CHD 5 (25603)	Photography - Photographic Grade Chemicals - Test Methods - Part 5 Determination of Heavy
		Metals and Iron Content
8	CHD 5 (25604)	Photography - Photographic Grade Chemicals - Test Methods - Part 6 Determination of Halide
	, , ,	Content
9	CHD 5 (25607)	Photography - Photographic Grade Chemicals - Test Methods - Part 7 Determination of Alkalinity
	, , ,	and Acidity
10	CHD 5 (25608)	Photography - Photographic Grade Chemicals - Test Methods - Part 8 Determination of Volatile
	, , ,	Matter
11	CHD 5 (25610)	Photography - Photographic Grade Chemicals - Test Methods - Part 9 Reaction to Ammoniacal
	` ′	Silver Nitrate
12	CHD 5 (25611)	Photography - Photographic Grade Chemicals - Test Methods - Part 10 Determination of Sulfide
	` ′	Content
13	CHD 5 (25612)	Photography - Photographic Grade Chemicals - Test Methods - Part 11 Determination of Specific
		Gravity
14	CHD 5 (25613)	Photography - Photographic Grade Chemicals - Test Methods - Part 12 Determination of Density
15	` ` ′	
15	CHD 5 (25614)	Photography - Photographic Grade Chemicals - Test Methods - Part 13 Determination of pH

		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 5 (24803) Revision	Fluoboric Acid and Metal Fluoborates for Electroplating - Specification First Revision				
	of: IS 7067:1973					
2	CHD 5 (24804) Revision	Phenol Sulphonic Acid for Electroplating - Specification First Revision				
	of: IS 11484:1985					

## Total Published Standards:74 Total Standards Under development:17

## **Aspect Wise Report**

Product: 69 Code of Practices: 0

Methods of Test: 5 Terminology: 0 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 2290 : 1962	Zinc sulphate for electroplating
		Zinc evanide for electroplating

2	IS 3027 : 1964	
3	IS 331 : 1951	Chrome Salt
4	IS 332 : 1967	Chromium Potassium Sulphate chrome Alum
5	IS 5381 : 1969	Quantity packaging of sensitized photographic materials
6	IS 5431 : 1979	Flammability requirements for motion picture safety films
7	IS 9644 : 1980	Sizes of film for medical radiography

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

SI. No.	IS No. & Year	Title
1	IS 10246 : 1982	Specification for N N - Diethyl - P - Phenylene diamine sulphate photographic grade
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
2	IS 10438 : 2024	Potassium Sulphite 650 g l Aqueous Solution for Photographic Industry Specification
	ISO 5990 : 2000	
3	IS 10472 : 1983	Specification for filter aid powder for use in electroplating
	Reviewed In: 2024	
4	IS 10668 : 1983	Specification for sodium formaldehyde bisulphite anhydrous photographic grade
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
5	IS 10982 : 1984	Specification for strontium sulphate for electroplating
	Reviewed In: 2024	
6	IS 11484 : 1985	Specification for phenol sulphonic acid for electroplating
	Reviewed In: 2024	
7	IS 11603 : 2024	Ammonium Thiocyanate Photographic Grade Specification First Revision
	ISO 3622 : 1996	
8	IS 11751 : 2024	Sodium Sulphite Anhydrous Photographic Grade Specification First Revision
	ISO 418 : 2001	
9	IS 11752 : 2024	Sodium Metabisulphite Anhydrous Photographic Grade Specification First Revision
	ISO 3627 : 2001	
10	IS 11788 : 1986	Specification for 2 - Amino - 5 - Diethylaminotoluene hydrochloride photographic grade
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
11	IS 12121 : 1987	Specification for sodium carbonate anhydrous photographic grade
	Reviewed In: 2024 ISO	
	424:1994	
12	IS 12125 : 2024	Benzotriazole Photographic Grade Specification First Revision
	ISO 3618 :1994	
13	IS 12201 : 1987	Specification for hydro fluosilicic acid for electroplating
	Reviewed In: 2024	
14	IS 12495 : 2024	Potassium Ferricyanide Photographic Grade Specification First Revision
	ISO 3624 : 1994	
15	IS 12496 : 1988	Sizes of film for industrial radiography
	Reviewed In: 2024	

	Decision taken to Reaffirm and Archive	
16		Specification for sizes of photographic film for graphic arts use
10	Reviewed In : 2024	specification for sizes of photographic finite for graphic arts use
	Decision taken to Reaffirm	
	and Archive	
17		Specification for zinc pyrophosphate for electroplating
	Reviewed In: 2024	
18	S IS 12533 : 1988	Specification for sizes of paper in rolls for phototypesetting and photolettering devices
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
1,		
19		Specification for potassium pyrophosphate for electroplating
	Reviewed In: 2024	
20	IS 12557 : 1988	Specification for sodium pyrophosphate for electroplating
	Reviewed In: 2024	
21	IS 12846 : 2023	Boric Acid Photographic GradeSpecification First Revision
22	2 IS 12865 : 1989	Potassium persulphate photographic grade - Specification
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
23		Aluminium natassium sulphata Datashalum phatasmanhia anada. Casaificatian
23		Aluminium potassium sulphate Potashalum photographic grade - Specification
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
24	4 IS 12925 : 1990	Ferric ammonium edta solution photographic grade - Specification
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
25		Sodium gluconate for electroplating - Specification
	Reviewed In: 2024	
26	5 IS 13075 : 1991	Sizes of rolls of black and white and colour paper for roll paper printers
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
27		2 - Amino - 5 N - Ethyl N - 2 hydroxy ethyl aminotoluene sulphate photographic grade CD - 4
	Reviewed In : 2024	2 - Annino - 5 14 - Eury 14 - 2 flydroxy curyr anninotolaetic surphate photographic grade CD - 4
	Decision taken to Reaffirm	
	and Archive	
28	3 IS 13105 : 2024	2-Amino-5- N-Ethyl-N- 2-Methane Sulphonamido Ethyl Aminotoluene Sesqui Sulphate
		Monohydrate Photographic Grade CD-3 First Revision
29	IS 13106 : 2024	Potassium Bromide Photographic Grade Specification First Revision
	ISO 420 : 1994	
30	IS 13381 : 2024	Potassium Carbonate Anhydrous and Sesquihydrate Photographic Grade Specification First
	15 15501 . 2024	Revision
31	IS 13443 : 1992	Methylene chloride for degreasing prior to electroplating - Specification
3		Memyrene emoriae for degreasing prior to electropiating - specification
	Reviewed In: 2024	
32		1 - 1 - 1 trtchloroethane Methyl Chloroform for electroplating - Specification
	Reviewed In: 2024	
33	3 IS 15304 : 2003	Dipotassium hydrogen phosphate for electroplating - Specification
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
34		Nickel Salts for Electroplating Specification Third Revision
ı J	. 15 1007 , 2027	There out to Dectrophanic operation that revision
24	TC 1000 . 1077	Specification for zine avide and zine calte for electronletine Einst Davidier
35	5 IS 1880 : 1977 Reviewed In : 2024	Specification for zinc oxide and zinc salts for electroplating First Revision

36	IS 2211 : 2024	Sodium Thiosulphate Anhydrous and Pentahydrate Photographic Grade Specification Third
	ISO 10636 : 1994	Revision
37	IS 2214 : 1977	Specification for silver nitrate pure and analytical reagent First Revision
	Reviewed In: 2024	
38	IS 2318 : 1980	Specification for silver nitrate photographic grade Second Revision
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
39	IS 246 : 1986	Specification for sodium thiosulphate crystalline photographic grade Fourth Revision
	Reviewed In: 2019 ISO	
	10636:1994	
40	IS 3026 : 2024	TIN SALTS FOR ELECTROPLATING - SPECIFICATION Third Revision
41	IS 330 : 2023	CHROMIUM TRIOXIDE - SPECIFICATION Third Revision
42	IS 388 : 2024	Hydroquinone Photographic Grade Specification Fourth Revision
	ISO 423 : 1994	
43	IS 4173 : 2024	4-Methylaminophenol Sulphate Specification Second Revision
44	IS 4846 : 2024	Sodium Potassium Tartrate Rochelle Salt Specification First Revision
45	IS 4847 : 2024	Copper Salts for Electroplating - Specification Third Revision
46	IS 500 : 2024	Potassium Metabisulphite Photographic Grade Specification Fifth Revision
	ISO 3629:2000	
47	IS 5003 : 2024	Cadmium Oxide for Electroplating - Specification First Revision
48	IS 5379 : 1969	Ammonium thiosulphate photographic grade
	Reviewed In: 2019 ISO	
	3619:1994	
49	IS 5380 : 1976	Specification for sodium bromide photographic grade First Revision
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
50	IS 557 : 2024	Sodium Acetate Photographic Grade Specification Fourth Revision
	ISO 3943 : 1993	
51	IS 5761 (Part 1): 1984	Specification for gold cyanide and gold potassium cyanide for electroplating Part 1 for
	Reviewed In: 2024	commercial engineering applications First Revision
52	IS 5761 (Part 2): 1984	Specification for gold cyanide and gold potassium cyanide for electroplating Part 2 for special
	Reviewed In: 2024	applications First Revision
53	IS 6139 : 1990	Sizes of black and white and colour photographic paper in sheets for general use specification First
	Reviewed In: 2024	Revision
	Decision taken to Reaffirm	
	and Archive	
54	IS 6155 : 2024	Sodium Carbonate Anhydrous and Monohydrate Photographic Grade Specification Second
	ISO 424 : 1994	Revision
55	IS 6267 : 2024	Silver Cyanide and Silver Potassium Cyanide for Electroplating - Specification First Revision
56	IS 6358 : 2024	Potassium and Sodium Cyanides for Electroplating - Specification First Revision
57	IS 6588 : 1972	Specification for gold chloride Chloroauric Acid
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	

58	IS 6678 : 2024	Ammonium Thiosulphate Solution Photographic Grade Specification First Revision
	ISO 3619 : 1994	
59	IS 7038 : 1973	Specification for chloroplatinic acid Platinum Chloride
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
60	IS 7067 : 1973	Specification for fluoboric acid and metal fluoborates for electroplating
	Reviewed In: 2024	
61	IS 8281 : 1976	Specification for hydroxylamine sulphate photographic grade
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
62	IS 8590 : 2023	INDIUM SULPHATE FOR ELECTROPLATING SPECIFICATION First Revision
63	IS 8984 : 1978	Dimensions of 127 120 and 620 roll film backing paper and film spools
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
64	IS 9341 : 1979	Specification for sulphamic acid for electroplating
	Reviewed In: 2024	
65	IS 9342 : 1987	Specification for sodium hypophosphite for electroless plating First Revision
	Reviewed In: 2024	
66	IS 9343 : 1979	1-phenyl-3-pyrazolidone photographic grade
	Reviewed In: 2024	
	Decision taken to Reaffirm	
	and Archive	
67	IS 9909 : 2023	Specification For Succinic Acid For Electroless Plating First Revision
68	IS 9923 : 1981	Specification for palladium salts for electroplating
	Reviewed In: 2024	