

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MHD 5 : Ophthalmic Instruments and Appliances

**Scope:** To formulate Indian Standards for Ophthalmic Diagnostic, Examining, Surgical devices and Instruments including Ophthalmic wear and Vision Care products excluding products for persons with visual disability

**Liaison:** **ISO TC-172 SC-9 (P): Laser and electro-optical systems** **ISO TC-172 SC-7 (P): Ophthalmic optics and instruments**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10009 : 1981 <i>Reviewed In : 2018</i>	Specification For Breaker And Holder, Razor Blade, Barraquer's Pattern	February, 2018	1	Indigenous
2	IS 10045 : 1981 <i>Reviewed In : 2018</i>	Specification For Punch, Lacrymal Bone, Beyer's Pattern	February, 2018	1	Indigenous
3	IS 10058 : 1985 <i>Reviewed In : 2017</i>	Specification For Forceps, Fixation, Graefe's Pattern (Modified) (First Revision)	March, 2017	-	Indigenous
4	IS/ISO 10342 : 2010 ISO 10342 : 2010 <i>Reviewed In : 2019</i> ISO 10342 : 2010	Ophthalmic instruments - Eye refractometers	October, 2019	-	Identical under single numbering
5	IS 10389 : 1983 <i>Reviewed In : 2018</i>	Specification For Fixation Hook, Eye, Guthrie's Pattern	January, 2018	-	Indigenous
6	IS 10390 : 1983 <i>Reviewed In : 2018</i>	Specification for muscle hook	January, 2018	-	Indigenous
7	IS 10408 : 1983 <i>Reviewed In : 2013</i>	Specification For Spatula, Eye, Green's Pattern		-	Indigenous
8	IS 10696 : 1983 <i>Reviewed In : 2018</i>	Specification for round segment fused bifocal blanks	December, 2018	-	Indigenous
9	IS 10847 : 1984 <i>Reviewed In : 2019</i>	Specification for Speculum with Screw Adjustment, Eye, Right and Left, Arruga's Pattern	May, 2019	-	Indigenous
10	IS 10848 : 2024	Ophthalmic Instruments Bishop-Harmon Anterior Chamber Irrigator - Specification First Revision		-	Indigenous
11	IS/ISO 10938 : 2016 ISO 10938 : 2016 <i>ISO 10938 : 2016</i> <i>Oph</i>	Ophthalmic Optics — Chart Displays for Visual Acuity Measurement — Printed, Projected and Electronic ( First Revision )	-	-	Identical under single numbering
12	IS/ISO 10939 : 2017 ISO 10939:2017 <i>ISO 10939:2017</i>	Ophthalmic instruments Slit-lamp microscopes First Revision		-	Identical under single numbering

13	IS/ISO 10940 : 2009 ISO 10940 : 2009 Reviewed In : 2019 ISO 10940 : 2009	Ophthalmic instruments - Fundus cameras	October, 2019	-	Identical under single numbering
14	IS/ISO 10942 : 2006 ISO 10942 : 2006 Reviewed In : 2019 ISO 10942 : 2006	Ophthalmic instruments - Direct ophthalmoscopes	October, 2019	-	Identical under single numbering
15	IS/ISO 10943 : 2011 ISO 10943 : 2011 IS/ISO 10943:2011	Ophthalmic instruments - Indirect ophthalmoscopes		-	Identical under dual numbering
16	IS 11244 : 1985 Reviewed In : 2017	Specification for trephine, bone lacrimal with handle	March, 2017	-	Indigenous
17	IS/ISO 11979 : 2018 ISO 11979-1:2018 ISO 11979-1:2018	Ophthalmic implants Intraocular lenses Part 1:Vocabulary First Revision		-	Identical under single numbering
18	IS/ISO 11979-2 : 1999 ISO 11979 : Part 2: 1999 Reviewed In : 2017 ISO 11979-2:1999	Ophthalmic implants - Intraocular lenses: Part 2 optical properties and test methods	May, 2017	-	Identical under dual numbering
19	IS/ISO 11979-3 : 2006 ISO 11979 : Part 3:2006 Reviewed In : 2017 ISO 11979-3:2006	Ophthalmic implants - Intraocular lenses: Part 3 mechanical properties and test methods	May, 2017	-	Identical under single numbering
20	IS/ISO 11979-4 : 2008 Reviewed In : 2016 ISO 11979 : PART 4 : 2008	Ophthalmic implants - Intraocular lenses: Part 4 labelling and information	June, 2016	-	Identical under single numbering
21	IS/ISO 11979-6 : 2014 ISO 11979-6 : 2014 IS/ISO 11979-6:2014	Ophthalmic implants - Intraocular lenses: Part 6 shelf - Life and transport stability testing	December, 2016	-	Identical under dual numbering
22	IS/ISO 11979 : 2018 ISO 11979-7:2018 ISO 11979-7:2018	Ophthalmic implants Intraocular lenses Part 7: Clinical investigations of intraocular lenses for the correction of aphakia First Revision		-	Identical under single numbering
23	IS/ISO 11979-8 : 2018 ISO 11979-8:2017 ISO 11979-8:2017	Ophthalmic implants Intraocular lenses Part 8 Fundamental requirements First Revision		-	Identical under single numbering
24	IS/ISO 11979-9 : 2006 ISO 11979 : Part 9 : 2006 Reviewed In : 2017 ISO 11979 : Part 9 : 2006	Ophthalmic Implants - Intraocular Lenses Part 9 Multifocal Intraocular Lenses	May, 2017	-	Identical under single numbering
25	IS/ISO 11979-10 : 2018 ISO 11979-10:2018 ISO 11979-10:2018	Ophthalmic implants Intraocular lenses Part 10: Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes First Revision		-	Identical under single numbering

26	IS/ISO 11986 : 2017 ISO 11986:2018 ISO 11986:2018	Ophthalmic optics Contact lenses and contact lens care products Determination of preservative uptake and release		-	Identical under single numbering
27	IS/ISO 12865 : 2006 ISO 12865 : 2006 Reviewed In : 2019 ISO 12865 : 2006	Ophthalmic instruments - Retinoscopes	October, 2019	-	Identical under single numbering
28	IS 13783 : 1993 ISO 8429 Reviewed In : 2022 ISO 8429 : 1986	Optics and optical instruments - Ophthalmology - Graduated dial scale	September, 2022	-	Identical under dual numbering
29	IS 14895 : 2000 Reviewed In : 2015	Ophthalmic instruments - Spuds, foreign body - Waltons sizes 1 and 1.5 mm wide, stainless steel - Specification	December, 2015	-	Indigenous
30	IS/ISO 15798 : 2013 ISO 15798 : 2013 IS/ISO 15798:2013	Ophthalmic implants - Ophthalmic viscosurgical devices		-	Identical under dual numbering
31	IS/ISO 16671 : 2015 ISO 16671 : 2015 IS/ISO 16671:2015	Ophthalmic implants - Irrigating solutions for ophthalmic surgery		-	Identical under single numbering
32	IS/ISO 16672 : 2015 ISO 16672 : 2015 IS/ISO 16672:2015	Ophthalmic implants - Ocular endotamponades		-	Identical under dual numbering
33	IS 17772 (Part 1) : 2022 ISO 10322-1: 2016 ISO 10322-1: 2016	Ophthalmic optics Semi-finished spectacle lens blanks Part 1: Specifications for single-vision and multifocal lens blanks		-	Identical under single numbering
34	IS 17772 (Part 2) : 2022 ISO 10322-2: 2016 ISO 10322-2: 2016	Ophthalmic optics Semi-finished spectacle lens blanks Part 2: Specifications for progressive-power and degressive-power lens blanks		-	Identical under dual numbering
35	IS 18291 : 2023 ISO 12866: 1999 + AMD 1: 2008	Ophthalmic Instruments " Perimeters (ISO 12866: 1999 + AMD 1: 2008, MOD)		-	Modified/Technically Equivalent
36	IS/ISO 18369 : 2017 ISO 18369-1:2017 ISO 18369-1:2017	Ophthalmic optics Contact lenses Part 1 Vocabulary classification system and recommendations for labeling specifications First Revision		-	Identical under single numbering
37	IS/ISO 18369 : 2017 ISO 18369-2:2017 ISO 18369-2:2017	Ophthalmic optics - Contact lenses Part 2: Tolerances First Revision		-	Identical under single numbering
38	IS/ISO 18369 : 2017 ISO 18369-3:2017 ISO 18369-3:2017	Ophthalmic optics Contact lenses Part 3: Measurement methods First Revision		-	Identical under single numbering
39	IS/ISO 18369 : 2017 ISO 18369-4:2017 ISO 18369-4:2017	Ophthalmic optics Contact lenses Part 4: Physicochemical properties of contact lens materials First Revision		-	Identical under single numbering
40	IS 18378 : 2023 ISO 8624: 2020 ISO 8624: 2020	Ophthalmic optics Spectacle frames Measuring system and vocabulary First Revision		-	Identical under dual numbering
41	IS 18570 : 2024 ISO 10341:2012	Ophthalmic instruments Refractor heads		-	Modified/Technically Equivalent
42	IS 18571 : 2024 ISO 10944:2009	Ophthalmic instruments Synoptophores		-	Modified/Technically Equivalent

43	IS 18572 : 2024 ISO 10343:2014	Ophthalmic instruments Ophthalmometers		-	Modified/Technically Equivalent
44	IS 18574 : 2024 ISO 18259:2014 ISO 18259:2014	Ophthalmic optics Contact lens care products Method to assess contact lens care products with contact lenses in a lens case challenged with bacterial and fungal organisms		-	Identical under dual numbering
45	IS 18575 : 2024 ISO 18189:2016 ISO 18189:2016	Ophthalmic optics Contact lenses and contact lens care products Cytotoxicity testing of contact lenses in combination with lens care solution to evaluate lens solution interactions		-	Identical under dual numbering
46	IS 18576 : 2024 ISO 12870:2016	Ophthalmic optics Spectacle frames Requirements and test methods		-	Modified/Technically Equivalent
47	IS 18577 : 2024 ISO/TR 21958:2019 ISO/TR 21958:2019	Ophthalmic optics Review of the test methods used to assess scratch and abrasion resistance of spectacle lenses		-	Identical under dual numbering
48	IS 18578 : 2024 ISO 16034:2002+Cor 1:2006	Ophthalmic Optics $\bar{i}_c/2$ Single- Vision Ready-to-Wear Near-Vision Spectacles $\bar{i}_c/2$ Specification		-	Modified/Technically Equivalent
49	IS 18580 : 2024 ISO 12867:2010	Ophthalmic instruments Trial frames		-	Modified/Technically Equivalent
50	IS 18581 (Part 2) : 2024 ISO 10936-2:2010 ISO 10936-2:2010	Optics and photonics Operation microscopes Part 2: Light hazard from operation microscopes used in ocular surgery		-	Identical under dual numbering
51	IS 18583 (Part 1) : 2024 ISO 9342 -1:2023 ISO 9342 -1:2023	Optics and optical instruments Test lenses for calibration of focimeters Part 1: Reference lenses for focimeters used for measuring spectacle lenses		-	Identical under dual numbering
52	IS 18583 (Part 2) : 2024 ISO 9342 -2:2005	Optics and optical instruments Test lenses for calibration of focimeters Part 2: Test lenses for focimeters used for measuring contact lenses		-	Modified/Technically Equivalent
53	IS 18584 : 2024 ISO 15253:2021	Ophthalmic optics and instruments Optical devices for enhancing low vision		-	Modified/Technically Equivalent
54	IS 18585 : 2024 ISO 16971:2015	Ophthalmic instruments Optical coherence tomograph for the posterior segment of the human eye		-	Modified/Technically Equivalent
55	IS 18586 : 2024 ISO 22665:2012	Ophthalmic optics and instruments Instruments to measure axial distances in the eye		-	Modified/Technically Equivalent
56	IS 18599 : 2024 ISO 24157:2008+AMD 1:2020 ISO 24157:2008+AMD 1:2020	Ophthalmic optics and instruments Reporting aberrations of the human eye		-	Identical under dual numbering
57	IS 18613 : 2024 ISO 19980:2021	Ophthalmic instruments Corneal topographers		-	Modified/Technically Equivalent

58	IS 18638 (Part 1) : 2024 ISO 15004 -1:2020	Ophthalmic instruments Fundamental requirements and test methods Part 1: General requirements applicable to all ophthalmic instruments		-	Modified/Technically Equivalent
59	IS 18638 (Part 2) : 2024 ISO 15004-2:2007 ISO 15004-2:2007	Ophthalmic instruments Fundamental requirements and test methods Part 2: Light hazard protection		-	Identical under dual numbering
60	IS 18642 : 2024 ISO 15752:2010	Ophthalmic instruments Endoilluminators Fundamental requirements and test methods for optical radiation safety		-	Modified/Technically Equivalent
61	IS 18658 (Part 5) : 2024 ISO 11979-5:2020	Ophthalmic implants Intraocular lenses Part 5:Biocompatibility		-	Modified/Technically Equivalent
62	IS 4382 : 1967 Reviewed In : 2017	Specification For Non-Tinted Ophthalmic Glass	March, 2017	1	Indigenous
63	IS 4569 (Part 1) : 1985 Reviewed In : 2017	Specification for scissors, eye: Part 1 corneal (Second Revision)	March, 2017	-	Indigenous
64	IS 4569 (Part 2) : 1985 Reviewed In : 2017	Specification for scissors, eye: Part 2 conjunctival, blunt and sharp - Point scissors (Second Revision)	March, 2017	-	Indigenous
65	IS 4569 (Part 3) : 1985 Reviewed In : 2017	Specification for scissors, eye: part 3 scissors, tenotomy (Second Revision)	March, 2017	-	Indigenous
66	IS 4569 (Part 4) : 1985 Reviewed In : 2017	Specification For Scissors, Eye Part 4 Scissors,Enucleation (Second Revision)	March, 2017	-	Indigenous
67	IS 4569 (Part 5) : 1985 Reviewed In : 2017	Specification For Scissors, Eye Part 5 Scissors, Spring Action, Vanna's Pattern (Modified) (Second Revision)	March, 2017	-	Indigenous
68	IS 4569 (Part 6) : 1985 Reviewed In : 2017	Specification For Scissors, Eye Part 6 Scissors, Iris (Second Revision)	March, 2017	-	Indigenous
69	IS 4790 : 1989 Reviewed In : 2018	Eye Surgery Instruments -Knife, Corneal Splitting, Lang's And Tooke's Pattern (Modified) Specification (Second Revision)	November, 2018	-	Indigenous
70	IS 4978 : 2024	EYE SURGERY INSTRUMENTS TOOTHED FIXATION FORCEPS - SPECIFICATION		-	Indigenous
71	IS 5157 : 1981 Reviewed In : 2018	Specification for forceps, eye, Iris (First Revision)	February, 2018	1	Indigenous
72	IS 5232 : 2024	EYE SURGERY INSTRUMENTS - FORCEPS EYE CILIA BEERS PATTERN MODIFIED - SPECIFICATION		-	Indigenous
73	IS 5367 : 1969 Reviewed In : 2017	Specification For Forceps, Eye, Strabismus, For Advancement (Prince's And Worth's Patterns)	March, 2017	-	Indigenous
74	IS 5668 : 2024	EYE SURGERY INSTRUMENTS - FORCEPS EYE DISSECTING SERRATED FINE - SPECIFICATION		-	Indigenous
75	IS 5678 : 2023	CONJUNCTIVAL SUTURE FORCEPS MOORFIELDS		-	Indigenous

		PATTERN - SPECIFICATION			
76	IS 5721 : 2024	PERIPHERAL IRIDECTOMY FORCEPS SINCLAIRS PATTERN -SPECIFICATION		-	Indigenous
77	IS 5722 : 1970 Reviewed In : 2018	Specification For Hook, Eye, Iris (Tyrrell's Pattern)	February, 2018	-	Indigenous
78	IS 6420 : 1989 Reviewed In : 2013	Eye Surgery Instruments - Retractor, Eye Lachrymal Sac, Muller's Pattern (Modified) - Specification (First Revision)		-	Indigenous
79	IS 6472 : 1971 Reviewed In : 2018	General requirements for tinted ophthalmic glass	May, 2018	1	Indigenous
80	IS 7734 : 1975 Reviewed In : 2018	Specification For Forceps, Eys, Peripheral Iridectomy, Traquair's Pattern	February, 2018	1	Indigenous
81	IS 7758 : 1975 Reviewed In : 2018	Specification For Curette, Eye, Evacuation, Moorfield's Pattern	February, 2018	1	Indigenous
82	IS 7762 : 1975 Reviewed In : 2018	Specification for hook, eyelid	February, 2018	1	Indigenous
83	IS 7767 : 1975 Reviewed In : 2018	Specification For Spatula, Eye, Cyclodialysis, Sinclair's Pattern	February, 2018	1	Indigenous
84	IS 7786 : 1975 Reviewed In : 2018	Specification For Retractor, Eyelid, Desmarre's Pattern	February, 2018	1	Indigenous
85	IS/ISO 7998 : 2005 ISO 7998 : 2005 Reviewed In : 2016 ISO 7998 : 2005	Ophthalmic optics - Spectacle frames - Lists of equivalent terms and vocabulary	August, 2016	-	Identical under single numbering
86	IS 8106 : 1976 Reviewed In : 2013	Specification For Needle Holder, Eye, Kalt's Pattern		-	Indigenous
87	IS 8109 : 1976 Reviewed In : 2013	Specification For Needle Holder, Eye, Castroviejo's Pattern		-	Indigenous
88	IS 8181 : 1976 Reviewed In : 2013	Specification for repositor, Iris		-	Indigenous
89	IS 8260 (Part 1) : 1976 Reviewed In : 2018	Glossary of terms relating to ophthalmic lenses and spectacle frames: Part 1 ophthalmic lenses	May, 2018	-	Indigenous
90	IS/ISO 8596 : 2017 ISO 8596:2017 ISO 8596:2017	Ophthalmic optics Visual acuity testing Standard and clinical optotypes and their presentation First Revision		-	Identical under single numbering
91	IS/ISO 8598-1 : 2014 ISO 8598-1 : 2014 IS/ISO 8598-1:2014	Optics and optical instruments - Focimeters: Part 1 general purpose instruments		-	Identical under single numbering
92	IS/ISO 8612 : 2009 ISO 8612 : 2009 Reviewed In : 2019 ISO 8612:2009	Ophthalmic instruments - Tonometers	October, 2019	-	Identical under single numbering
93	IS 8771 : 1985 Reviewed In : 2017	Specification For Needle Holder, Eye, Scissors And Forceps Combined, Castroviejo's Pattern (Modified) (First Revision)	March, 2017	-	Indigenous
94	IS 8772 : 1985 Reviewed In : 2017	Specification For Needle Holder, Eye, Barraquer's Pattern (Modified) (First Revision)	March, 2017	-	Indigenous
95	IS 8773 : 1985 Reviewed In : 2017	Specification For Dissector, Lacrimal Sac, Lang's Pattern (Modified) (First Revision)	March, 2017	-	Indigenous
96	IS 8810 : 1985	Specification For Rougine For	March, 2017	-	Indigenous



	Reviewed In : 2017	Lacrimal Sac, Rollet's Pattern (Modified) (First Revision)			
97	IS/ISO 8980 : 2017 ISO 8980-1:2017 ISO 8980-1:2017	Ophthalmic optics Uncut finished spectacle lenses Part 1 Specifications for single-vision and Multifocal Lenses (First Revision)		-	Identical under single numbering
98	IS/ISO 8980-2 : 2017 ISO 8980-2: 2017 ISO 8980-2: 2017	Ophthalmic optics Uncut finished spectacle lenses Part 2: Specifications for power-variation lenses		-	Identical under single numbering
99	IS/ISO 8980-3 : 2013 ISO 8980-3 : 2013 IS/ISO 8980-3:2013	Ophthalmic optics - Uncut finished spectacle lenses: Part 3 transmittance specifications and test methods		-	Identical under single numbering
100	IS/ISO 8980-4 : 2006 ISO 8980-4 : 2006 IS/ISO 8980-4:2006	Ophthalmic optics - Uncut finished spectacle lenses: Part 4 specifications and test methods for anti - Reflective coatings		-	Identical under single numbering
101	IS/ISO 8980-5 : 2005 ISO 8980-5 : 2005 IS/ISO 8980-5:2005	Ophthalmic optics - Uncut finished spectacle lenses: Part 5 minimum requirements for spectacle lens surfaces claimed to be abrasion - Resistant		-	Identical under single numbering
102	IS 9061 : 1989 Reviewed In : 2018	Eye Surgery Instruments - Dilators, Punctum, Wilder's Pattern (Modified) - Specification (First Revision)	December, 2018	-	Indigenous
103	IS 9062 : 1987 Reviewed In : 2018	Specification For Probes, Lacrimal, Bowman's Pattern (Modified) (First Revision)	February, 2018	1	Indigenous
104	IS 9134 : 1987 Reviewed In : 2018	Specification For Trephine, Corneal, Castroviejo's Pattern (Modified) (First Revision)	February, 2018	1	Indigenous
105	IS 9329 : 1987 Reviewed In : 2018	Specification For Speculum, Eye, Clark's Pattern (Modified) (First Revision)	February, 2018	-	Indigenous
106	IS 9378 : 1987 Reviewed In : 2018	Specification For Speculum, Eye, Castroviejo's Pattern (Modified) (First Revision)	February, 2018	-	Indigenous
107	IS 9626 : 2024	Ophthalmic Instruments Castroviejo Caliper - Specification Second Revision		-	Indigenous
108	IS 9688 : 1992 Reviewed In : 2018	Eye surgery instruments - Hooks, strabismus - Specification ( first revision)	February, 2018	-	Indigenous
109	IS/ISO 9801 : 2009 ISO 9801 : 2009 Reviewed In : 2019 ISO 9801:2009	Ophthalmic instruments - Trial case lenses	October, 2019	-	Identical under single numbering
110	IS 9983 : 1981 Reviewed In : 2018	Specification for wire vectis and lens expressor, eye	February, 2018	1	Indigenous
111	IS 9984 : 2024	Ophthalmic Instruments Air Injection Cannula - Specification First Revision		-	Indigenous

### Standards under Development

### Projects Approved

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

<b>Preliminary Draft Standards</b>		
SI. No.	Doc No.	Title
<i>No Records Found</i>		

<b>Drafts Standards in WC Stage</b>		
SI. No.	Doc No.	Title
<i>No Records Found</i>		

<b>Draft Standards Completed WC Stage</b>		
SI. No.	Doc No.	Title
1	MHD 5 (25186)	Ophthalmic optics and instruments Near reading charts
2	MHD 5 (25281)	Ophthalmic optics Mounted spectacle lenses
3	MHD 5 (25337)	Ophthalmic optics Spectacle lenses Vocabulary
4	MHD 5 (25340)	Ophthalmic optics Contact lenses and contact lens care products Labelling
5	MHD 5 (25343)	Ophthalmic optics Contact lenses and contact lens care products Fundamental requirements
6	MHD 5 (25356)	Ophthalmic instruments Direct ophthalmoscopes
7	MHD 5 (25357)	Ophthalmic instruments Indirect ophthalmoscopes
8	MHD 5 (25358)	Ophthalmic implants Intraocular lenses Part 3 Mechanical properties and test methods
9	MHD 5 (25359)	Ophthalmic implants Intraocular lenses Part 7 Clinical investigations of intraocular lenses for the correction of aphakia
10	MHD 5 (25458)	Ophthalmic optics Uncut finished spectacle lenses Part 3 Transmittance specifications and test methods
11	MHD 5 (25473)	Ophthalmic optics Visual acuity testing Standard and clinical optotypes and their presentation First Revision Amendment - 1

<b>Finalized Draft Indian Standard</b>		
SI. No.	Doc No.	Title
<i>No Records Found</i>		

<b>Finalized Draft Indian Standards under Print</b>		
SI. No.	Doc No.	Title
1	MHD 5 (23847) <b>Revision of: IS/ISO 16672:2015</b>	Ophthalmic implants Ocular endotamponades
2	MHD 5 (24176) <b>Revision of: IS/ISO 15798:2013</b>	Ophthalmic implants Ophthalmic viscosurgical devices

**Total Published Standards:89 Total Standards Under development:13**

### Aspect Wise Report

Product : 90  
Code of Practices : 3  
Methods of Test : 11  
Terminology : 4  
Dimensions : 2  
System Standard : 0  
Safety Standard : 0  
Others : 1  
Service Specification : 0  
Process Specification : 0



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

Sl. No.	IS No. & Year	Title
1	IS 10395 : 1983 Reviewed In : 2008	Specification for Scleral Hook Eye Stallard s Pattern
2	IS 10849 : 1984 Reviewed In : 2003	Specification for Cystotome and Curette Eye Moorfield s Pattern
3	IS/ISO 11979-5 : 2006 ISO 11979 : Part 5 : 2006 Reviewed In : 2017 ISO 11979 : Part 5 : 2006	Ophthalmic implants - Intraocular lenses Part 5 biocompatibility
4	IS/ISO 12866 : 1999 ISO 12866 : 1999 Reviewed In : 2022 ISO 12866 : 1999	Ophthalmic instruments - Perimeters
5	IS 12947 : 1990 Reviewed In : 2015	Eye surgery instruments tonometers - Specification
6	IS 13767 : 1993 ISO 8320 Reviewed In : 2008	Optics - Optical instruments - Contact lenses - Vocabulary and symbols
7	IS 13903 : 1993 Reviewed In : 2010	Soft contact lenses - Requirements
8	IS 13928 : 1993 Reviewed In : 2008	Rigid Contact Lenses - Requirements
9	IS 14323 : 1996 Reviewed In : 2010	Intra Ocular Lenses
10	IS 4788 : 1986 Reviewed In : 2007	Knife Eye Capsulotomy Ziegler s Pattern Modified
11	IS 4789 : 1986 Reviewed In : 2007	Knife Eye Cataract Graefe s Pattern Modified
12	IS 5110 : 1969 Reviewed In : 2007	Specification for Corneal Loupe
13	IS 5226 : 1989 Reviewed In : 2003	Eye surgery instruments - Forceps eye corneo-scleral disc Elliot s pattern - Modified -Specification
14	IS 5231 : 1990 Reviewed In : 2005	Eye surgery instruments - Forceps eye tarsal cyst Green s pattern modified - Specification
15	IS 5233 : 1990 Reviewed In : 2005	Eye surgery instruments - Forceps eye intra-capsular arruga s and Elschnig s pattern Modified
16	IS 5234 : 1989 Reviewed In : 2003	Eye surgery instruments - Forceps eye extra capsule Couper s pattern modified
17	IS 5695 : 1970 Reviewed In : 2012	Spectacle Lenses
18	IS 6473 : 1972 Reviewed In : 2018	Specification for trial spectacle lens sets
19	IS 7006 : 1973 Reviewed In : 2017	Specification for visual acuity test charts
20	IS 7757 : 1975 Reviewed In : 2008	Specification for Cystitome Eye Moorfield s Pattern
21	IS 8163 : 1976 Reviewed In : 2003	Specification for Knife Keratome Eye Jaeger s Pattern
22	IS 8257 : 1976 Reviewed In : 2018	Specification for ophthalmoscope
23	IS 8260 (Part 2) : 1976 Reviewed In : 2008	Glossary of terms relating to ophthalmic lenses and spectacle frames Part 2 Spectacle frames
24	IS/ISO 8598 : 1996 ISO 8598 : 1996 Reviewed In : 2014 ISO	Optics and optical instruments - Focimeters

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25	IS/ISO 8624 : 2011 ISO 8624 : 2011 ISO 8624:2011	Ophthalmic optics - Spectacle frames - Measuring system and terminology
26	IS 8774 : 1985 Reviewed In : 2007	Specification for Punch Corneoscleral Holth s Pattern Modified
27	IS 9173 : 1979 Reviewed In : 2007	Specification for Retinoscope Self Luminous Type
28	IS 9318 : 1987 Reviewed In : 2008	Specification for Knife Eye Cataract Sliding in Handle
29	IS 9982 : 1981 Reviewed In : 2008	Specification for Knife Keratome Castroviejo s Pattern

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

Sl. No.	IS No. & Year	Title
1	IS 10009 : 1981 Reviewed In : 2018	Specification For Breaker And Holder Razor Blade Barraquer 39 s Pattern
2	IS 10045 : 1981 Reviewed In : 2018	Specification For Punch Lacrymal Bone Beyer 39 s Pattern
3	IS 10058 : 1985 Reviewed In : 2017	Specification For Forceps Fixation Graefe 39 s Pattern Modified First Revision
4	IS/ISO 10342 : 2010 ISO 10342 : 2010 Reviewed In : 2019 ISO 10342 : 2010	Ophthalmic instruments - Eye refractometers
5	IS 10389 : 1983 Reviewed In : 2018	Specification For Fixation Hook Eye Guthrie 39 s Pattern
6	IS 10390 : 1983 Reviewed In : 2018	Specification for muscle hook
7	IS 10408 : 1983 Reviewed In : 2013	Specification For Spatula Eye Green 39 s Pattern
8	IS 10696 : 1983 Reviewed In : 2018	Specification for round segment fused bifocal blanks
9	IS 10847 : 1984 Reviewed In : 2019	Specification for Speculum with Screw Adjustment Eye Right and Left Arruga 39 s Pattern
10	IS 10848 : 2024	Ophthalmic Instruments Bishop-Harmon Anterior Chamber Irrigator - Specification First Revision
11	IS/ISO 10938 : 2016 ISO 10938 : 2016 ISO 10938 : 2016 Oph	Ophthalmic Optics Chart Displays for Visual Acuity Measurement Printed Projected and Electronic First Revision
12	IS/ISO 10940 : 2009 ISO 10940 : 2009 Reviewed In : 2019 ISO 10940 : 2009	Ophthalmic instruments - Fundus cameras
13	IS/ISO 10942 : 2006 ISO 10942 : 2006 Reviewed In : 2019 ISO 10942 : 2006	Ophthalmic instruments - Direct ophthalmoscopes
14	IS/ISO 10943 : 2011 ISO 10943 : 2011 IS/ISO 10943:2011	Ophthalmic instruments - Indirect ophthalmoscopes
15	IS 11244 : 1985 Reviewed In : 2017	Specification for trephine bone lacrimal with handle
16	IS/ISO 11979-8 : 2018 ISO 11979-8:2017 ISO 29994:2021	Ophthalmic implants Intraocular lenses Part 8 Fundamental requirements First Revision
17	IS/ISO 11979-9 : 2006 ISO 11979 : Part 9 : 2006	Ophthalmic Implants - Intraocular Lenses Part 9 Multifocal Intraocular Lenses

	Reviewed In : 2017 ISO 11979 : Part 9 : 2006	
18	IS/ISO 11979-10 : 2018 ISO 11979-10:2018 ISO 15029-2:2018	Ophthalmic implants Intraocular lenses Part 10 Clinical investigations of intraocular lenses for correction of ametropia in phakic eyes First Revision
19	IS/ISO 12865 : 2006 ISO 12865 : 2006 Reviewed In : 2019 ISO 12865 : 2006	Ophthalmic instruments - Retinoscopes
20	IS 14895 : 2000 Reviewed In : 2015	Ophthalmic instruments - Spuds foreign body - Waltons sizes 1 and 1.5 mm wide stainless steel - Specification
21	IS/ISO 15798 : 2013 ISO 15798 : 2013 IS/ISO 15798:2013	Ophthalmic implants - Ophthalmic viscosurgical devices
22	IS/ISO 16671 : 2015 ISO 16671 : 2015 IS/ISO 16671:2015	Ophthalmic implants - Irrigating solutions for ophthalmic surgery
23	IS/ISO 16672 : 2015 ISO 16672 : 2015 IS/ISO 16672:2015	Ophthalmic implants - Ocular endotamponades
24	IS 17772 (Part 1) : 2022 ISO 10322-1: 2016 ISO 13301:2018	Ophthalmic optics Semi-finished spectacle lens blanks Part 1 Specifications for single-vision and multifocal lens blanks
25	IS 17772 (Part 2) : 2022 ISO 10322-2: 2016 ISO 15216-1 : 2017	Ophthalmic optics Semi-finished spectacle lens blanks Part 2 Specifications for progressive-power and degressive-power lens blanks
26	IS 18291 : 2023	Ophthalmic Instruments Perimeters ISO 12866 1999 AMD 1 2008 MOD
27	IS 18378 : 2023 ISO 8624: 2020	Ophthalmic optics Spectacle frames Measuring system and vocabulary First Revision
28	IS 18570 : 2024	Ophthalmic instruments Refractor heads
29	IS 18571 : 2024	Ophthalmic instruments Synoptophores
30	IS 18572 : 2024	Ophthalmic instruments Ophthalmometers
31	IS 18576 : 2024	Ophthalmic optics Spectacle frames Requirements and test methods
32	IS 18578 : 2024	Ophthalmic Optics Single-Vision Ready-to-Wear Near-Vision Spectacles Specification
33	IS 18580 : 2024	Ophthalmic instruments Trial frames
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35	IS 18583 (Part 1) : 2024 ISO 9342 -1:2023	Optics and optical instruments Test lenses for calibration of focimeters Part 1 Reference lenses for focimeters used for measuring spectacle lenses
36	IS 18583 (Part 2) : 2024	Optics and optical instruments Test lenses for calibration of focimeters Part 2 Test lenses for focimeters used for measuring contact lenses
37	IS 18584 : 2024	Ophthalmic optics and instruments Optical devices for enhancing low vision
38	IS 18585 : 2024	Ophthalmic instruments Optical coherence tomograph for the posterior segment of the human eye
39	IS 18586 : 2024	Ophthalmic optics and instruments Instruments to measure axial distances in the eye
40	IS 18613 : 2024	Ophthalmic instruments Corneal topographers

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