

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### PCD 1 : Methods of Sampling and Test for Petroleum and Related Products of Natural or Synthetic Origin (excluding bitumen)

Scope: a) To formulate Indian Standards for Methods for Sampling and test for Petroleum and related products of natural or synthetic origin including lubricants, greases, speciality products, additives, gaseous fuels and e-fuels (excluding bitumen) b) To organize correlation schemes for evaluating the accuracy and the performance of fuel and lubricant testing engines

Liaison: **ISO TC-193 SC-1 (P): Analysis of natural gas** **ISO TC-28 SC-5 (P): Measurement of refrigerated hydrocarbon and non-petroleum based liquefied gaseous fuels** **ISO TC-28 (P): Determination and application of precision data in relation to methods of test** **ISO TC-28 (P): Joint ISO/TC 28- ISO/TC 35 WG: Flash point methods** **ISO TC-28 (P): Aviation fuel test methods development** **ISO TC-28 (P): Petroleum and related products, fuels and lubricants from natural or synthetic sources**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1447 (Part 1):2021	Methods of Sampling of Petroleum and its Products Part 1 Manual Sampling (Second Revision)		-	Indigenous
2	IS 1447 (Part 2):2013 ISO 4257: 2001 Reviewed In : 2023 ISO 4257: 2001	Methods of sampling of petroleum and its products [P : 2] liquefied petroleum gases - Method of sampling (Second Revision)	July, 2023	-	Identical under dual numbering
3	IS 1447 (Part 3):2021	Methods of sampling of petroleum and its products: Part 3 method of sampling of semi - Solid and solid petroleum products (Second Revision)		-	Indigenous
4	IS 1447 (Part 4):1989 Reviewed In : 2023	Petroleum and its products methods of sampling: Part 4 sampling of petroleum coke for laboratory analysis (First Revision)	July, 2023	-	Indigenous
5	IS 1447 (Part 4):2025	PETROLEUM AND ITS PRODUCTS - METHODS OF SAMPLING PART 4 SAMPLING OF PETROLEUM COKE FOR LABORATORY ANALYSIS (Second Revision)		-	Indigenous
6	IS 1447 (Part 5):2023 ISO 23572 : 2020 ISO 23572 : 2020	Methods of sampling of petroleum and its products Part 5 lubricating of greases - Sampling of greases		-	Identical under dual numbering
7	IS 1448 (Part 1)/Sec	Methods of test for petroleum and	July, 2023	-	Indigenous

	2):2002 Reviewed In : 2023	its products [P: 1/ Section 2] determination of base number of petroleum products by potentiometric titration (Second Revision)			
8	IS 1448 (Part 2):2007 ISO 6619 Reviewed In : 2023 ISO 6619: 1988	Methods of test for petroleum and its products [P:2] petroleum products and lubricants - Neutralization number - Potentiometric titration method (Second Revision)	July, 2023	-	Identical under dual numbering
9	IS 1448 (Part 3):2007 ISO 2977 Reviewed In : 2023 ISO 2977: 1997	Methods of test for petroleum and its products [P:3] petroleum products and hydrocarbon solvents - Determination of aniline point and mixed aniline point (Third Revision)	July, 2023	-	Identical under dual numbering
10	IS 1448 (Part 4/Sec 1):2021 ISO 6245	Methods of Test for Petroleum and its Products - Part 4/Section 1 Determination of Ash		-	Modified/Technically Equivalent
11	IS 1448 (Part 4/Sec 2):2021	Methods of test for petroleum and its products Part 4/Section 2 ash from grease sulphated ash and water soluble ash Fourth Revision		-	Indigenous
12	IS 1448 (Part 5):2025	PETROLEUM AND ITS PRODUCTS METHODS OF TEST PART 5 DETERMINATION OF KEROSENE BURNING CHARACTERISTICS 24 HOUR METHOD (Second Revision)		-	Indigenous
13	IS 1448 (Part 6):2025	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 6 DETERMINATION OF HEAT OF COMBUSTION OF LIQUID HYDROCARBON FUELS BY BOMB CALORIMETER ( Second Revision )		-	Indigenous
14	IS 1448 (Part 6):1984 Reviewed In : 2023	Methods of test for petroleum and its products (P:6) heat of combustion of liquid hydrocarbon fuels by bomb calorimeter method (First Revision)	July, 2023	-	Indigenous
15	IS 1448 (Part 7):2004 Reviewed In : 2022	Methods of Test for Petroleum and its Products - Part 7: Determination of Calorific Value by Calculation	January, 2022	-	Indigenous
16	IS 1448 (Part 8):2012 ISO 4262:1993 Reviewed In : 2022 ISO 4262:1993	Methods of test for petroleum and its products [P : 8] determination of carbon residue - Ramsbottom method (Second Revision)	May, 2022	-	Identical under dual numbering
17	IS 1448 (Part 9):2023 ISO 5165 : 2020 ISO 5165 : 2020	Petroleum and its Products - Methods of Test Part 9 Determination of the ignition quality of diesel fuels - Cetane engine method		-	Identical under dual numbering
18	IS 1448 (Part 9):2019	Methods of Test for Petroleum and its Products [ P : 9 ] Determination	-	-	Identical under dual numbering

	ISO 5165 : 2017 ISO 5165 : 2020	of the Ignition Quality of Diesel Fuels - Cetane Engine Method ( Second Revision )			
19	IS 1448 (Part 10/Sec 1):2021 ISO 3015 ISO 3015	Methods of test for petroleum and its products Part 10 Petroleum and related products from natural or synthetic sources Section 1 Determination of cloud point		-	Identical under dual numbering
20	IS 1448 (Part 10/Sec 2):2021 ISO 3016 ISO 3016	Methods of test for petroleum and its products Part 10 Petroleum and related products from natural or synthetic sources Section 2 Determination of pour point		-	Identical under dual numbering
21	IS 1448 (Part 11):2004 ISO 3013 Reviewed In : 2022 ISO 3013: 1997	Methods of test for petroleum and its products [P:11] petroleum products - Determination of freezing point of aviation fuels (Fourth Revision)	January, 2022	-	Identical under dual numbering
22	IS 1448 (Part 12):2013 ISO 2049 :1996 Reviewed In : 2023 ISO 2049 :1996	Methods of test for petroleum and its products [ P : 12] determination of colour (Astm Scale) (Second Revision)	July, 2023	-	Identical under dual numbering
23	IS 1448 (Part 13):2023	Petroleum and its Products - Methods of Test Part 13 colour by lovibond tintometer		-	Indigenous
24	IS 1448 (Part 14):2019 Reviewed In : 2024	Methods of test for petroleum and its products [ P : 14 ] colour by saybolt chromometer (First Revision)	March, 2024	-	Indigenous
25	IS 1448 (Part 15):2004 ISO 2160 Reviewed In : 2021 ISO 2160	Methods of Test for Petroleum and Its Products - Part 15: Petroleum products - Corrosiveness to copper - Copper strip test	March, 2021	-	Identical under dual numbering
26	IS 1448 (Part 16):2014 ISO 3675 : 1998 Reviewed In : 2024 ISO 3675 : 1998	Methods of test for petroleum and its products [ P : 16] crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method (Fourth Revision)	July, 2024	-	Identical under dual numbering
27	IS 1448 (Part 18):2020 ASTM D 86	Methods of test for petroleum and its products Part 18 distillation of petroleum products (Third Revision)	-	-	Modified/Technically Equivalent
28	IS 1448 (Part 19):2015 ISO 5275 : 2003 Reviewed In : 2020 ISO 5275 : 2003	Methods of test for petroleum and its products [ P : 19] detection of thiols and other sulphur species - Doctor test (Second Revision)	April, 2020	-	Identical under dual numbering
29	IS 1448 (Part 20):2024 ISO 13736:2021 ISO 13736:2021	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART 20 DETERMINATION OF FLASH POINT - ABEL CLOSED - CUP METHOD (Fourth Revision)		-	Identical under dual numbering
30	IS 1448 (Part 21):2019	Methods of test for petroleum and its products [ P : 21] determination	March, 2024	1	Identical under dual numbering

	ISO 2719 : 2016 Reviewed In : 2024 ISO 2719	of flash point - Pensky - Martens closed cup method (Fourth Revision)			
31	IS 1448 (Part 22):2019 Reviewed In : 2024	Methods of test for petroleum and its products [P : 22] determination of asphaltenes (Heptane Insolubles) in crude petroleum and petroleum products (Third Revision)	March, 2024	-	Indigenous
32	IS 1448 (Part 23):2004 ISO 3837 Reviewed In : 2021 ISO 3837	Methods of Test for Petroleum and its Products - P: 23 Liquefied Petroleum Gases - Determination of Hydrocarbon Types - Fluorescent Indicator Adsorption Method Fouth Revision	March, 2021	1	Identical under dual numbering
33	IS 1448 (Part 25/Sec 1):2025 ISO 3104: 2023 ISO 3104: 2023	Petroleum and its Products - Methods of Test Part 25 Transparent and Opaque Liquids Section 1 Determination of Kinematic Viscosity and Calculation of Dynamic Viscosity (Third Revision)		-	Identical under dual numbering
34	IS 1448 (Part 25/Sec 1):2018 ISO 3104 : 1994 Reviewed In : 2023 ISO 3104: 2023	Methods of test for petroleum and its products [P : 25] transparent and opaque liquids section 1 determination of kinematic viscosity and calculation of dynamic viscosity (Second Revision)	May, 2023	-	Identical under dual numbering
35	IS 1448 (Part 25/Sec 2):2025 ISO 3105:1994 ISO 3105:1994	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 25 GLASS CAPILLARY KINEMATIC VISCOMETERS - SECTION 2 SPECIFICATIONS AND OPERATING INSTRUCTIONS		-	Identical under dual numbering
36	IS 1448 (Part 26):2018 ISO 5163 :2014 Reviewed In : 2023 ISO 5163 :2014	Methods of test for petroleum and its products [P : 26] determination of knock characteristics of motor and aviation fuels - Motor method (Second Revision)	May, 2023	-	Identical under dual numbering
37	IS 1448 (Part 27):2018 ISO 5164:2014 Reviewed In : 2023 ISO 5164: 2014	Methods of test for petroleum and its products [P: 27] determination of knock characteristics of motor fuels - Research method (Second Revision)	July, 2023	-	Identical under dual numbering
38	IS 1448 (Part 28):2008 ISO 7536 Reviewed In : 2023 ISO 7536	Methods of test for petroleum and its products [P : 28] petroleum products - Determination of oxidation stability of gasoline - Induction period method (Fourth Revision)	July, 2023	-	Identical under dual numbering
39	IS 1448 (Part 29):2021 ISO 6246 ISO 6246	Methods of test for petroleum and its products Part 29 Petroleum products - Gum content of fuels - Jet evaporation method		-	Identical under dual numbering
40	IS 1448 (Part 30):2013 ISO 3735: 1999 Reviewed In : 2023	Methods of test for petroleum and its products [P : 30] crude petroleum and fuel oils - Determination of sediment -	July, 2023	-	Identical under dual numbering

	ISO 3735: 1999	Extraction method (Second Revision)			
41	IS 1448 (Part 31):2017 Reviewed In : 2022 ISO 3014 : 1993	Methods of test for petroleum and its products [P : 31] determination of smoke point (Second Revision)	March, 2022	-	Modified/Technically Equivalent
42	IS 1448 (Part 32):2019 ISO 3838 : 2004 Reviewed In : 2024 ISO 3838	Methods of test for petroleum and its products [ P : 32 ] crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary stoppered pyknometer and graduated bicapillary pyknometer methods (Third Revision)	March, 2024	-	Identical under dual numbering
43	IS 1448 (Part 33):2021	Methods of test for petroleum and its products: Part 33 Sulphur by High Pressure Decomposition Device Method		-	Indigenous
44	IS 1448 (Part 34):2025	Petroleum and Its Products - Methods of Test Part 34 Determination of Sulphur In Petroleum Products (Lamp Method) (Third Revision)		-	Indigenous
45	IS 1448 (Part 34):1979 Reviewed In : 2023	Methods of test for petroleum and its products - P : 34 determination of sulphur in petroleum products (Lamp Method) (Second Revision)	July, 2023	1	Indigenous
46	IS 1448 (Part 39):2012 ISO 3007:1999 Reviewed In : 2022 ISO 3007:1999	Methods of test for petroleum and its products [P : 39] determination of vapour pressure - Reid method (Second Revision)	May, 2022	-	Identical under dual numbering
47	IS 1448 (Part 40):2015 ISO 3733 : 1999 Reviewed In : 2020 ISO 3733 : 1999	Methods of test for petroleum and its products [P: 40] petroleum products and bituminous materials - Determination of water - Distillation method (Fourth Revision)	April, 2020	-	Identical under dual numbering
48	IS 1448 (Part 41):2019 ISO 9030 : 1990 Reviewed In : 2024 ISO 9030:1990	Methods of test for petroleum and its products [ P : 41 ] crude petroleum - Determination of water and sediment - Centrifuge method (Fourth Revision)	March, 2024	-	Identical under dual numbering
49	IS 1448 (Part 42):2015 ISO 6250 : 1997 Reviewed In : 2020 ISO 6250 : 1997	Methods of test for petroleum and its products [P : 42] determination of the water reaction of aviation fuels (Third Revision)	April, 2020	-	Identical under dual numbering
50	IS 1448 (Part 43):2018 Reviewed In : 2023	Methods of test for petroleum and its products [P : 43] bromine number by colour indicator method (Third Revision)	December, 2023	-	Indigenous
51	IS 1448 (Part 44):2013 ISO 3839: 1996 Reviewed In : 2023 ISO 3839: 1996	Methods of test for petroleum and its products [P : 44] determination of bromine number of distillates and aliphatic olefins - Electrometric method (Third	July, 2023	1	Identical under dual numbering

		Revision)			
52	IS 1448 (Part 50):2021	Methods of test for petroleum and its products: Part 50 Chlorine in new and used lubricants (sodium alcoholate method) (Third Revision)		-	Indigenous
53	IS 1448 (Part 51):2023	Methods of test for petroleum and its products Part 51 Copper strip corrosion test for lubricating greases		-	Indigenous
54	IS 1448 (Part 52):2017 ISO 2176 : 1995 Reviewed In : 2022 ISO 2176 : 1995	Methods of test for petroleum and its products [P : 52] drop point (Second Revision)	March, 2022	-	Identical under dual numbering
55	IS 1448 (Part 53):1979 Reviewed In : 2023	Methods of test for petroleum and its products [P: 53] determination of acidity and alkalinity of greases (First Revision)	July, 2023	-	Indigenous
56	IS 1448 (Part 54):2017 Reviewed In : 2022 ISO 4265: 1986	Methods of test for petroleum and its products [P : 54] determination of phosphorus content - Quinoline phosphomolybdate method (Third Revision)	March, 2022	-	Not Equivalent
57	IS 1448 (Part 55/Sec 1):2025	Petroleum and Its Products - Methods of Test Part 55 Saponification Value Section 1 Colour Indicator and Potentiometric Titration (Second Revision)		-	Indigenous
58	IS 1448 (Part 55/Sec 1):2004 Reviewed In : 2021	Methods of test for petroleum and its products [P: 55/section 1] determination of saponification value of petroleum products (First Revision)	March, 2021	-	Indigenous
59	IS 1448 (Part 55/Sec 2):2004 Reviewed In : 2021	Methods of test for petroleum and its products [P : 55/section 2] saponifiable and unsaponifiable matter in oil fat and waxes (First Revision)	March, 2021	-	Indigenous
60	IS 1448 (Part 56):2013 ISO 2909: 2002 Reviewed In : 2023 ISO 2909: 2002	Methods of test for petroleum and its products [P : 56] calculation of viscosity index from kinematic viscosity (Third Revision)	July, 2023	-	Identical under dual numbering
61	IS 1448 (Part 57):1964 Reviewed In : 2018 Reaffirmed but not taken up for revision	Consistency of greases at various temperatures (P : 57)	July, 2018	-	Indigenous
62	IS 1448 (Part 58):1991 Reviewed In : 2023	Methods of test for petroleum and its products [P: 58] determination of insolubles in greases (First Revision)	July, 2023	-	Indigenous
63	IS 1448 (Part 59):1991 Reviewed In : 2023	Methods of test for petroleum and its products [P:59] determination of mineral oil content in greases (Second Revision)	July, 2023	-	Indigenous



64	IS 1448 (Part 60):2023 ISO 2137 : 2020 ISO 2137 : 2020	Methods of test for petroleum and its products Part 60 Consistency of lubricating greases by cone penetrometer		-	Identical under dual numbering
65	IS 1448 (Part 61):2023	Methods of test for petroleum and its products Part 61 Determination of the leakage tendencies of automotive wheel bearing greases		-	Indigenous
66	IS 1448 (Part 62):2023	Petroleum and its Products - Methods of Test PART 62 HEAT STABILITY OF GREASES		-	Indigenous
67	IS 1448 (Part 64):2023	Petroleum and its Products - Methods of Test Part 64 Nonvolatile Matter in Solvents (Second Revision)		-	Indigenous
68	IS 1448 (Part 65):2018 Reviewed In : 2023	Methods of test for petroleum and its products [ P : 65 ] oxidation test for lubricating oils (Third Revision)	December, 2023	-	Indigenous
69	IS 1448 (Part 66):2023	Petroleum and its Products -Methods of Test PART 66 FLASH POINT (OPEN) AND FIRE POINT BY MODIFIED PENSKY-MARTENS APPARATUS (First Revision)		-	Indigenous
70	IS 1448 (Part 66):1969 Reviewed In : 2018	Methods of test for petroleum and its products [p:66] flash point (Open) and fire point by pensky martens apparatus	July, 2018	-	Indigenous
71	IS 1448 (Part 67):2020 ISO 6247	Methods of Test for Petroleum and its Products [ P : 67 ] Determination of Foaming Characteristics of Lubricating Oils ( Second Revision )	-	-	Modified/Technically Equivalent
72	IS 1448 (Part 68):2023	Petroleum and its Products - Methods of Test Part 68 Determination of Evaporation Loss of Lubricating Greases (22 hour drying) (First Revision)		-	Indigenous
73	IS 1448 (Part 69):2019 ISO 2592 : 2017 Reviewed In : 2024 ISO 2592:2017	Methods of Test for Petroleum and its Products [ P : 69 ] Determination of Flash and Fire Points - Cleveland Open Cup Method ( Second Revision )	March, 2024	-	Identical under dual numbering
74	IS 1448 (Part 70):2018 Reviewed In : 2023	Methods of test for petroleum and its products [ P: 70 ] determination of residue in liquefied petroleum gases (First Revision)	December, 2023	-	Indigenous
75	IS 1448 (Part 71):2004 ISO 4256 Reviewed In : 2021 ISO 4256	Methods of Test for Petroleum and its Products ( P : 71 ) Liquefied Petroleum Gases - Determination of Gauge Vapour Pressure - LPG Method (Second Revision)	March, 2021	-	Identical under dual numbering
76	IS 1448 (Part 72):2023	Methods of test for petroleum and its products Part 72 volatility test of liquified petroleum gases ( First Revision )		-	Indigenous
77	IS 1448 (Part 73):2004	Methods of test for petroleum and its products [P: 73] liquefied	March, 2021	-	Identical under dual numbering

	ISO 8819 Reviewed In : 2021 ISO 8819	petroleum gases - Detection of hydrogen sulphide - Lead acetate method (First Revision)			
78	IS 1448 (Part 74):2022 ISO 13758:1996 ISO 13758: 1996	Methods of test for petroleum and its products Part 74 Liquefied petroleum gases - Assessment of the dryness of propane - Valve freeze method		-	Identical under dual numbering
79	IS 1448 (Part 76):2019 Reviewed In : 2024 ISO 3993	Methods of Test for Petroleum and its Products [ P : 76 ] Liquified Petroleum Gases and Light Hydrocarbons - Determination of Density or Relative Density - Pressure Hydrometer Method ( First Revision )	March, 2024	-	Identical under dual numbering
80	IS 1448 (Part 79):2024	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 79 DETERMINATION OF VANADIUM AND NICKEL IN FURNACE OIL, CRUDE OIL AND THEIR RESIDUES - SPECTROPHOTOMETRIC METHOD (Second Revision)		-	Indigenous
81	IS 1448 (Part 82):2008 ISO 3830 Reviewed In : 2023 ISO 3830:1993	Methods of test for petroleum and its products ( P: 82 ) petroleum products - Determination of lead content of gasoline - Iodine monochloride method (First Revision)	July, 2023	1	Identical under dual numbering
82	IS 1448 (Part 84):2017 Reviewed In : 2022	Methods of test for petroleum and its products [ P : 84 ] determination of trace elements in petroleum products - Arsenic (First Revision)	March, 2022	-	Indigenous
83	IS 1448 (Part 85):2022	Methods of Test for Petroleum and its Products Part 85 Oil Separation on Storage of Greases ( First Revision )		-	Indigenous
84	IS 1448 (Part 86):2023	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 86 DETERMINATION OF TOTAL BASE NUMBER BY THE POTENTIOMETRIC PERCHLORIC ACID TITRATION METHOD (First Revision)		-	Indigenous
85	IS 1448 (Part 87):2025	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 87 AUTOIGNITION TEMPERATURE OF LIQUID PETROLEUM PRODUCTS (First Revision)		-	Indigenous
86	IS 1448 (Part 87):1979 Reviewed In : 2023	Methods of test for petroleum and its products [ p:87] autoignition temperature of liquid petroleum products	July, 2023	-	Indigenous
87	IS 1448 (Part 89):2023	Methods of test for petroleum and its products Part 89 Test for		-	Indigenous



		thermal stability of lubricating greases			
88	IS 1448 (Part 90):2008 ISO 11009 Reviewed In : 2023 ISO 11009:2000	Methods of test for petroleum and its products [p : 90] petroleum products and lubricants - Determination of water washout characteristics of lubricating greases (First Revision)	July, 2023	-	Identical under dual numbering
89	IS 1448 (Part 91):2019 ISO 6614 : 1994 Reviewed In : 2024 ISO 6614:1994	Methods of test for petroleum and its products [ p : 91 ] determination of water separability of petroleum oils and synthetic fluids (First Revision)	March, 2024	-	Identical under dual numbering
90	IS 1448 (Part 93):2021 ASTM D 1321 - 10	Methods of test for Petroleum and its products P: 93 Determination of needle penetration (First Revision)		-	Modified/Technically Equivalent
91	IS 1448 (Part 94):2019 Reviewed In : 2024	Methods of test for petroleum and its products [ p : 94 ] test for oxidation stability of lubricating grease by oxygen pressure vessel method (First Revision)	March, 2024	-	Indigenous
92	IS 1448 (Part 95):2019 Reviewed In : 2024	Methods of test for petroleum and its products [ p : 95 ] determination of demulsibility characteristics of lubricating oils (First Revision)	March, 2024	-	Indigenous
93	IS 1448 (Part 96):2019 ISO 7120: 1987	Methods of test for petroleum and its products [p : 96] petroleum products and lubricants - Petroleum oils and other fluids - Determination of rust - Preventing characteristics in the presence of water (First Revision)	-	-	Identical under dual numbering
94	IS 1448 (Part 97):2015 ISO 6249 : 1999 Reviewed In : 2020 ISO 6249 : 1999	Methods of test for petroleum and its products [p : 97] determination of thermal oxidation stability of gas turbine fuels - Jftot method (First Revision)	April, 2020	-	Identical under dual numbering
95	IS 1448 (Part 98):1981 Reviewed In : 2023	Methods of test for petroleum and its products:: Part 98 determination of emulsion stability of emulsifiable cutting oils	July, 2023	1	Indigenous
96	IS 1448 (Part 99):1981 Reviewed In : 2023	Methods of test for petroleum and its products - Part 99 : determination of frothing characteristics of emulsifiable cutting oils	July, 2023	1	Indigenous
97	IS 1448 (Part 100):1980 Reviewed In : 2023	Methods of test for petroleum and its products (P 100)Determination of thermal stability of emulsifiable cutting oils	July, 2023	1	Indigenous
98	IS 1448 (Part 101):2025	METHODS OF TEST FOR PETROLEUM AND ITS PRODUCTS PART 101 COLORIMETRIC DETERMINATION OF PHOSPHORUS IN LUBRICATING OILS		-	Indigenous
99	IS 1448 (Part 101):1980	Methods of test for petroleum and its products (P 101) colorimetric	July, 2023	1	Indigenous

	Reviewed In : 2023	determination of phosphorus in lubricating oils			
100	IS 1448 (Part 102):2023	Methods of test for petroleum and its products Part 102 Determination of air release value		-	Indigenous
101	IS 1448 (Part 103):1981 Reviewed In : 2023	Methods of test for petroleum and its products [p:103] barium, calcium, phosphorus and zinc in lubricating oils by direct reading emission spectrographic method	July, 2023	-	Indigenous
102	IS 1448 (Part 104):1981 Reviewed In : 2023	Meteioinof test for petroleum and its products (P 104) aromatics in light naphthas and aviation gasolines by gas chromatography	July, 2023	-	Indigenous
103	IS 1448 (Part 105):1981 Reviewed In : 2023	Methods of test for petroleum and its products [p:105] ultraviolet (Uv) absorbance and absorptivity of petroleum products	July, 2023	-	Indigenous
104	IS 1448 (Part 106):1981 Reviewed In : 2023	Methods of test for petroleum and its products [p:106] determination of oxidation characteristics of inhibited steam - Turbine oils	July, 2023	-	Indigenous
105	IS 1448 (Part 107):1982 Reviewed In : 2021 ASTM D 91-80	Methods of test for petroleum and its products [p: 107) precipitation number of lubricating oils	March, 2021	-	Modified/Technically Equivalent
106	IS 1448 (Part 109):2004 ISO 3012 Reviewed In : 2021 ISO 3012 : 1999	Methods of test for petroleum and its products [p: 109] petroleum products - Determination of thiol (Mercaptan) sulphur in light and middle distillate fuels - Potentiometric method (First Revision)	March, 2021	-	Identical under dual numbering
107	IS 1448 (Part 110):2023	Petroleum and its Products - Methods of Test PART 110 COLD FILTER PLUGGING POINT OF DISTILLATE FUELS (First Revision)		-	Indigenous
108	IS 1448 (Part 111):2025	PETROLEUM AND ITS PRODUCTS TEST METHODS PART 111 ANALYSIS OF LIQUEFIED PETROLEUM GASES (LPG) AND PROPYLENE CONCENTRATES BY GAS CHROMATOGRAPHY (First Revision)		-	Indigenous
109	IS 1448 (Part 111):1983 Reviewed In : 2023	Methods of test for petroleum and its products [p:111] analysis of liquefied petroleum gases (LPG) and propylene concentrates by gas chromatography	July, 2023	-	Indigenous
110	IS 1448 (Part 112):1983 Reviewed In : 2021	Methods of test for petroleum and its products [ p : 112 ] determination of lead in gasoline by atomic absorption spectrometry	March, 2021	-	Indigenous
111	IS 1448 (Part 113):1983 Reviewed In : 2021	Methods of test for petroleum and its products [p:113] determiNatlOn of total acidity in aviation turbine fuel	March, 2021	-	Indigenous

112	IS 1448 (Part 114):2019  Reviewed In : 2024 ISO 2207	Methods of test for petroleum and its products [ p : 114 ] petroleum waxes - Determination of congealing point (First Revision)	March, 2024	-	Identical under dual numbering
113	IS 1448 (Part 115):2023	Petroleum and its Products - Methods of Test PART 115 DETERMINATION OF SALT CONTENT IN CRUDE OIL		-	Indigenous
114	IS 1448 (Part 116):2018  Reviewed In : 2023 ASTM D 1403-10 , ISO 2137 : 2007	Methods of test for petroleum and its products [ p : 116 ] determination of cone penetration of lubricating grease using one quarter and one half scale - Cone (Second Revision)	December, 2023	-	Modified/Technically Equivalent
115	IS 1448 (Part 118):2019  Reviewed In : 2024	Methods of test for petroleum and its products [ p : 118 ] naphthalene hydrocarbons in aviation turbine fuel by ultraviolet spectrophotometry (First Revision)	March, 2024	-	Indigenous
116	IS 1448 (Part 119):1985 Reviewed In : 2023	Methods of test for petroleum and its products (P : 119) aromatic traces in light saturated hydrocarbons by gas chromatography	July, 2023	-	Indigenous
117	IS 1448 (Part 120):2021	Methods of test for petroleum and its products: Part 120 Zinc in lubricating oil		-	Indigenous
118	IS 1448 (Part 121):2022	Methods of test for petroleum and its products Part 121 Barium lubricating oil additive concentrates		-	Indigenous
119	IS 1448 (Part 122):2013 ISO 6615: 1993 Reviewed In : 2023 ISO 6615: 1993	Methods of test for petroleum and its products [ p : 122 ] determination of carbon residue - Conradson method (First Revision)	July, 2023	-	Identical under dual numbering
120	IS 1448 (Part 123):2013 ISO 7624:1997 Reviewed In : 2023 ISO 7624:1997	Methods of test for petroleum and its products [ p : 123 ] inhibited mineral turbine oils - Determination of oxidation stability (First Revision)	July, 2023	-	Identical under dual numbering
121	IS 1448 (Part 125):1987 Reviewed In : 2021	Methods of test for petroleum and its products [p: 125] estimation of deleterious particles in lubricating grease	March, 2021	-	Indigenous
122	IS 1448 (Part 126):2023	Methods of test for petroleum and its products:: Part 126 determination of ash content in raw and calcined petroleum coke		-	Indigenous
123	IS 1448 (Part 127):2024	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 127 DETERMINATION OF IRON IN PETROLEUM COKE		-	Indigenous
124	IS 1448 (Part 128):2018  Reviewed In : 2023	Methods of test for petroleum and its products [ p : 128 ] determination of nickel in calcined petroleum coke (First Revision)	August, 2023	-	Indigenous

125	IS 1448 (Part 129):2018 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [p : 129] determination of polymeric content in lubricating oils base stock (First Revision)	March, 2023	-	Indigenous
126	IS 1448 (Part 130):2019 <a href="#">Reviewed In : 2024</a>	Methods of test for petroleum and its products [p : 130] determination of vibrated bulk density of calcined petroleum coke (First Revision)	March, 2024	-	Indigenous
127	IS 1448 (Part 131):2024	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 131 DETERMINATION OF SILICON IN PETROLEUM COKE		-	Indigenous
128	IS 1448 (Part 132):2018 <a href="#">Reviewed In : 2023</a>	Methods of Test for Petroleum and its Products: Part 132 Determination of Moisture Content in Raw and Calcined Petroleum Coke	March, 2023	-	Indigenous
129	IS 1448 (Part 133):2018 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [p : 133] determination of real density of calcined petroleum coke (First Revision)	March, 2023	-	Indigenous
130	IS 1448 (Part 134):2018 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [ p : 134 ] determination of volatile matter in raw and calcined petroleum coke (First Revision)	September, 2023	-	Indigenous
131	IS 1448 (Part 135):2013 ISO 9029:1990 <a href="#">Reviewed In : 2023</a> <a href="#">ISO 9029:1990</a>	Methods of test for petroleum and its products [p : 135] crude petroleum - Determination of water - Distillation method (First Revision)	July, 2023	-	Identical under dual numbering
132	IS 1448 (Part 136):1991 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [ p:136] determination of evaporation loss of lubricating oils (Noacks Method)	July, 2023	-	Indigenous
133	IS 1448 (Part 137):1991 <a href="#">Reviewed In : 2023</a> Reaffirmed but not taken up for revision	Methods of test for petroleum and its products [p:137] water separation characteristics of aviation turbine fuels	July, 2023	-	Indigenous
134	IS 1448 (Part 138):2023	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 138 DETERMINATION OF SOAP CONTENT (Second Revision )		-	Indigenous
135	IS 1448 (Part 139):2018 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [p : 139] determination of real density of calcined petroleum coke using butanol or toluene (First Revision)	May, 2023	-	Indigenous
136	IS 1448 (Part 140):1992 <a href="#">Reviewed In : 2023</a>	Methods of test for petroleum and its products [p:140] determination of apparent density of petroleum coke by mercury pycnometer method	July, 2023	-	Indigenous
137	IS 1448 (Part 141):2018	Methods of test for petroleum and its products [p : 141] determination	June, 2023	-	Indigenous

	Reviewed In : 2023	of apparent density of calcined petroleum coke by helium method (First Revision)			
138	IS 1448 (Part 142):2021	Determination of water separation characteristics of aviation turbine fuels by portable separometer		-	Indigenous
139	IS 1448 (Part 143):2022	Methods of test for petroleum and its products Part 143 Evaluation of white mineral oils by ultraviolet absorption spectroscopy		-	Indigenous
140	IS 1448 (Part 144):1993 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Methods of test for petroleum and its products [p:144] non - Condensable gases in c2 and lighter hydrocarbon products by gas chromatography	January, 2024	-	Indigenous
141	IS 1448 (Part 145):2022	Methods of test for petroleum and its products Part 145 Determination of sodium nickel and vanadium in fuel oils and crude oils by atomic absorption spectroscopy (first revision)		-	Indigenous
142	IS 1448 (Part 146):1998 Reviewed In : 2021	Methods of test for petroleum and its products [p : 146] determination of yield stress and apparent viscosity of engine oils at low temperature	April, 2021	-	Indigenous
143	IS 1448 (Part 147):1998 Reviewed In : 2021	Methods of test for petroleum and its products [p : 147] determination of potential gum in motor gasolines	March, 2021	-	Indigenous
144	IS 1448 (Part 148):2019 ISO 6297 : 1997 Reviewed In : 2024 ISO 6297	Methods of test for petroleum and its products [p : 148] petroleum products - Aviation and distillate fuels - Determination of electrical conductivity (First Revision)	March, 2024	-	Identical under dual numbering
145	IS 1448 (Part 149):2020 ISO 12156-1 : 2018 ISO 12156-1:2018	Methods of Test for Petroleum and its Products Part 149 Diesel Fuel - Assessment of Lubricity Using the High - Frequency Reciprocating Rig ( HFRR ) - Test Method ( Second Revision )	-	-	Identical under dual numbering
146	IS 1448 (Part 150):2004 ISO 13757 Reviewed In : 2021 ISO 13757 : 1996	Methods of test for petroleum and its products [p:150] liquefied petroleum gases - Determination of oily residues - High - Temperature method	March, 2021	-	Identical under dual numbering
147	IS 1448 (Part 151):2004 ISO 7941 Reviewed In : 2021 ISO 7941	Methods of test for petroleum and its products [p: 151] commercial propane and butane - Analysis by gas chromatography	March, 2021	-	Identical under dual numbering
148	IS 1448 (Part 152):2004 ISO 6251 Reviewed In : 2021 ISO 6251	Methods of test for petroleum and its products [p: 152] liquefied petroleum gases - Corrosiveness to copper - Copper strip test	March, 2021	-	Identical under dual numbering
149	IS 1448 (Part 153):2012 ISO 20847 : 2004	Methods of test for petroleum and its products [p : 153] petroleum products - Determination of sulfur	May, 2022	-	Identical under dual numbering

	Reviewed In : 2022 ISO 20847 : 2004	content of automotive fuels - Energy - Dispersive x - Ray fluorescence spectrometry			
150	IS 1448 (Part 154):2012 ISO 12205 : 1995 Reviewed In : 2022 ISO 12205 : 1995	Methods of test for petroleum and its products [ p : 154] determination of the oxidation stability of middle - Distillate fuels	May, 2022	1	Identical under dual numbering
151	IS 1448 (Part 155):2020 Reviewed In : 2025 ASTM D 4629-12	Methods of Test for Petroleum and its Products [ P : 155 ] Determination of Trace Nitrogen in Liquid Petroleum Hydrocarbons by Oxidative Combustion with Chemiluminescence Detector	March, 2025	-	Modified/Technically Equivalent
152	IS 1448 (Part 157):2018 Reviewed In : 2023	Methods of test for petroleum and its products [ p : 157 ] rust protections by metal preservatives in the humidity cabinet	March, 2023	-	Indigenous
153	IS 1448 (Part 158):2016 ISO 5663 : 1983 Reviewed In : 2021 ISO 5661	Methods of test for petroleum and its products [ p : 158] hydrocarbon liquids - Determination of refractive index	April, 2021	-	Identical under dual numbering
154	IS 1448 (Part 159):2018 ISO 20884 : 2011 Reviewed In : 2023 ISO 20884	Methods of test for petroleum and its products [ p : 159 ] determination of sulphur content of automotive fuels - Wavelength - Dispersive x - Ray fluorescence spectrometry	February, 2023	-	Identical under dual numbering
155	IS 1448 (Part 160):2017 ISO 20846 : 2011 Reviewed In : 2022 ISO 20846	Methods of test for petroleum and its products [ p : 160] determination of sulphur content of automotive fuels - Ultraviolet fluorescence method	March, 2022	-	Identical under dual numbering
156	IS 1448 (Part 161):2017 ISO 13032:2012 Reviewed In : 2022 ISO 13032	Methods of test for petroleum and its products [ p : 161] determination of low concentration of sulphur in automotive fuels - Energy - Dispersive x - Ray fluorescence spectrometric method	March, 2022	-	Identical under dual numbering
157	IS 1448 (Part 162):2018 Reviewed In : 2023 ASTM D 4898 - 90	Methods of Test For Petroleum and Its Products [P:162] Determination of insoluble Contamination of Hydraulic Fluids by Gravimetric Analysis	May, 2023	-	Modified/Technically Equivalent
158	IS 1448 (Part 163):2018 Reviewed In : 2023 ASTM D3525 - 04 (2012)	Methods of test for petroleum and its products [ p : 163] determination of gasoline diluent in used gasoline engine oils by gas chromatography	March, 2023	-	Modified/Technically Equivalent
159	IS 1448 (Part 164):2018 Reviewed In : 2023 ASTM D4290 - 15	Methods of test for petroleum and its products [ p : 164] determination of the leakage tendencies of automotive wheel bearing grease under accelerated conditions	August, 2023	-	Modified/Technically Equivalent
160	IS 1448 (Part 165):2018	Methods of test for petroleum and its products [ p : 165 ] test method for roll stability of lubricating	September, 2023	-	Modified/Technically Equivalent



	Reviewed In : 2023 ASTM D 1831	grease			
161	IS 1448 (Part 167):2018 ISO 12185 : 1996 Reviewed In : 2023 ISO 12185	Methods of test for petroleum and its products [p : 167] determination of density - Oscillating u - Tube method	June, 2023	-	Identical under dual numbering
162	IS 1448 (Part 168):2018 ISO 13758 : 1996 ISO 13758 : 1996	Methods of Test for Petroleum and its Products [P : 168] Assessment of the Dryness of Propane - Valve Freeze Method		-	Identical under dual numbering
163	IS 1448 (Part 169):2018 ISO 15597 : 2001 Reviewed In : 2023 ISO 15597:2001	Methods of test for petroleum and its products [p : 169] determination of chlorine and bromine content - Wavelength - Dispersive x - Ray fluorescence spectrometry	May, 2023	-	Identical under dual numbering
164	IS 1448 (Part 170):2021 ISO 20623 ISO 20623	Methods of test for petroleum and its products Part 170 Petroleum and related products Determination of the extreme pressure and anti-wear properties of lubricants Four-ball method European conditions		-	Identical under dual numbering
165	IS 1448 (Part 171):2019 ISO 10143 : 2014 Reviewed In : 2024 ISO 10143 : 2014	Methods of test for petroleum and its products [p : 171] carbonaceous materials for the production of aluminum - Calcined coke for electrodes - Determination of the electrical resistivity of granules	March, 2024	-	Identical under dual numbering
166	IS 1448 (Part 172):2020 Reviewed In : 2025	Methods of Test for Petroleum and its Products [ P : 172 ] ICP-AES Method for Determination of Trace Elements in Petroleum Products	March, 2025	-	Indigenous
167	IS 1448 (Part 173):2020 Reviewed In : 2025	Methods of Test for Petroleum and its Products [ P : 173 ] Determination of Lead Content in Motor Gasoline - Energy Dispersive X-Ray Fluorescence Spectrometry Method	March, 2025	-	Indigenous
168	IS 1448 (Part 174):2020 ISO 4264 : 2018 ISO 4264:2018	Methods of Test for Petroleum and its Products Part 174 Petroleum Products - Calculation of Cetane index of Middle-Distillate Fuels by the Four Variable Equation		-	Identical under dual numbering
169	IS 1448 (Part 175):2020 ISO 4264 : 2018 ISO 6296:2000	Methods of Test for Petroleum and its Products Part 175 Petroleum Products - Determination of Water - Potentiometric Karl Fischer Titration Method		-	Identical under dual numbering
170	IS 1448 (Part 176):2020 ISO 7537 : 1997 Reviewed In : 2025 ISO 7537:1997	Methods of Test for Petroleum and its Products Part 176 Petroleum Products - Determination of Acid Number - Semi-micro Colour-indicator Titration Method	March, 2025	-	Identical under dual numbering
171	IS 1448 (Part 177):2020 ISO 3648 : 1994 Reviewed In : 2025 ISO 3648:1994	Methods of Test for Petroleum and its Products Part 177 Aviation Fuels â€™ Estimation of Net Specific Energy	March, 2025	-	Identical under dual numbering

172	IS 1448 (Part 178):2020 ISO 6271 : 2015 Reviewed In : 2025 ISO 6271:2015	Methods of Test for Petroleum and its Products Part 178 Clear Liquids - Estimation of Colour by the platinum Cobalt Colour Scale	March, 2025	-	Identical under dual numbering
173	IS 1448 (Part 179):2020 ISO 14596 : 2007 Reviewed In : 2025 ISO 14596:2007	Methods of Test for Petroleum and its Products Part 179 Petroleum Products - Determination of Sulfur Content - Wavelength-dispersive X-ray Fluorescence Spectrometry	April, 2025	-	Identical under dual numbering
174	IS 1448 (Part 180):2020 ISO 16591 : 2010 Reviewed In : 2024 ISO 16591:2010	Methods of Test for Petroleum and its Products Part 180 Petroleum Products - Determination of Sulphur Content - Oxidative Microcoulometry Method	December, 2024	-	Identical under dual numbering
175	IS 1448 (Part 181):2020 ISO 22854 : 2018 Reviewed In : 2025 ISO 22854:2016	Methods of Test for Petroleum and its Products Part 181 Liquid Petroleum Products - Determination of Hydrocarbon Types and Oxygenates in Automotive Motor Gasoline and in Ethanol ( E85 ) Automotive Fuel - Multidimensional Gas Chromatography Method	March, 2025	-	Identical under dual numbering
176	IS 1448 (Part 182):2020 ISO 12937 : 2000 ISO 12937:2000	Methods of Test for Petroleum and its Products Part 182 Petroleum Products - Determination of Water - Coulometric Karl Fischer Titration Method		-	Identical under dual numbering
177	IS 1448 (Part 183):2021 14935 ISO 14935	Methods of test for petroleum and its part 183 Petroleum and related Products -Determination of wick flame persistence of fire-resistant Fluids		-	Identical under dual numbering
178	IS 1448 (Part 184):2021 15029-2:2018 ISO 15029-2:2018	Methods of Test for Petroleum and its Products Part 184 petroleum and related products - Determination of spray ignition characteristics of fire-resistant fluids spray test - Stabilised flame heat release method		-	Identical under dual numbering
179	IS 1448 (Part 185):2021 20823:2003 ISO 20823:2003	Methods of Test for Petroleum and its products part 185 Petroleum and Related Products- Determination of the Flammability characteristics of fluids in Contact with Hot Surfaces-Manifold Ignition Test		-	Identical under dual numbering
180	IS 1448 (Part 186):2021 23581:2020 ISO 23581:2020	Petroleum Products and Related Products Determination of Kinematic Viscosity Method by Stabinger Type Viscometer		-	Identical under dual numbering
181	IS 1448 (Part 187):2021 ISO 3987:2010 ISO 3987:2010	Methods of test for Petroleum and its Products Part 187 Petroleum Products-Determination of Sulfated Ash in Lubricating Oils and Additives		-	Identical under dual numbering
182	IS 1448 (Part 188):2021	PETROLEUM PRODUCTS AND LUBRICANTS		-	Identical under dual numbering

	ISO 6618:1997 ISO 6618:1997	DETERMINATION OF ACID OR BASE NUMBER COLOUR- INDICATOR TITRATION METHOD			
183	IS 1448 (Part 189):2021 ISO 10370:2014 ISO 10370:2014	PETROLEUM PRODUCTS - DETERMINATION OF CARBON RESIDUE - MICRO METHOD		-	Identical under dual numbering
184	IS 1448 (Part 190):2021 ISO 15167:1999 ISO 15167:1999	PETROLEUM PRODUCTS DETERMINATION OF PARTICULATE CONTENT OF MIDDLE DISTILLATE FUELS LABORATORY FILTRATION METHOD		-	Identical under dual numbering
185	IS 1448 (Part 191):2023 ISO 13737:2004 ISO 13737:2004	Methods of test for petroleum and its products Part Determination of low-temperature cone penetration of lubricating greases		-	Identical under dual numbering
186	IS 1448 (Part 192):2023 ISO 22285 : 2018 ISO 22285 : 2018	Methods of test for petroleum and its products Part Determination of oil separation from grease Pressure filtration method		-	Identical under dual numbering
187	IS 1448 (Part 193):2023 ISO 22286 : 2018 ISO 22286 : 2018	Methods of test for petroleum and its products Part Determination of the dropping point of grease with an automatic apparatus		-	Identical under dual numbering
188	IS 1448 (Part 194):2023 ISO 11007-1 : 2021 ISO 11007-1 : 2021	Petroleum and its Products - Methods of Test PART DETERMINATION OF RUST - PREVENTION CHARACTERISTICS OF LUBRICATING GREASES DYNAMIC WET CONDITIONS		-	Identical under dual numbering
189	IS 1448 (Part 195):2023 ISO 10143 : 2019 ISO 10143 : 2019	Petroleum and its Products- Methods of Test PART DETERMINATION OF RESISTIVITY OF PETROLEUM COKE		-	Identical under dual numbering
190	IS 1448 (Part 196):2025	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 196 DETERMINATION OF THE LEAKAGE TENDENCIES OF AUTOMOTIVE WHEEL BEARING GREASES		-	Indigenous
191	IS 1448 (Part 197):2025	PETROLEUM AND ITS PRODUCT METHODS OF TEST PART 197 DETERMINATION OF HYDROCARBONS AND NON-HYDROCARBON GASES IN REFINERY GAS STREAMS BY GAS CHROMATOGRAPHY		-	Indigenous
192	IS 1448 (Part 198):2025 ISO 22854:2021 ISO 22854:2021	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 198 DETERMINATION OF HYDROCARBON TYPES AND OXYGENATES IN AUTOMOTIVE MOTOR		-	Identical under dual numbering

		GASOLINE AND IN ETHANOL (E85) AUTOMOTIVE FUEL MULTIDIMENSIONAL GAS CHROMATOGRAPHY METHOD			
193	IS 1448 (Part 199):2025 ISO 8754:2003 ISO 8754:2003	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 199 DETERMINATION OF SULFUR CONTENT ENERGY DISPERSIVE X RAY FLUORESCENCE SPECTROMETRY		-	Identical under dual numbering
194	IS 1448 (Part 202):2025	Petroleum and Its Products - Methods of Test Part 202 Determination of Fatty Acid Methyl Esters in Biodiesel Blended Automotive Diesel/Paraffinic Diesel Fuels by High-Performance Liquid Chromatography½ Refractive Index Detection		-	Indigenous
195	IS 14504:2021 ISO 6976 : 2016 ISO 6976:2016	Natural Gas - Calculation of Calorific Values, Density, Relative Density and Wobbe Indices from Composition ( First Revision )		-	Identical under dual numbering
196	IS 1488 (Part 157):2018  Reviewed In : 2023	Methods of test for petroleum and its products [ p : 157 ] rust protections by metal preservatives in the humidity cabinet	March, 2023	-	Indigenous
197	IS 15125:2024 ISO 10715:2022 ISO 10715:2022	NATURAL GAS – GAS SAMPLING (First Revision)		-	Identical under dual numbering
198	IS 15128:2020 ISO 10723 : 2012 ISO 10723:2012	Natural Gas - Performance Evaluation for Analytical Systems ( First Revision)	-	-	Identical under dual numbering
199	IS 15129:2002 ISO 14111 : 1997 Reviewed In : 2023 ISO 14111	Natural gas - Guidelines to traceability in analysis	July, 2023	-	Identical under dual numbering
200	IS 15130 (Part 1):2017 ISO 6974-1 : 2012 Reviewed In : 2023 ISO 6974-1	Natural Gas — Determination of Composition with Defined Uncertainty by Gas Chromatography Part 1 Guidelines for Tailored Analysis (First Revision)	August, 2023	-	Identical under dual numbering
201	IS 15130 (Part 2):2021 ISO 6974-2 : 2012 ISO 6974-2:2012	Natural Gas - Determination of Composition and Associated Uncertainty by Gas Chromatography Part 2 Uncertainty Calculations ( First Revision )		-	Identical under dual numbering
202	IS 15130 (Part 3):2021 ISO 6974-3:2018 ISO 6974-3:2018	NATURAL GAS DETERMINATION OF COMPOSITION AND ASSOCIATED UNCERTAINTY BY GAS CHROMATOGRAPHY PART 3: PRECISION AND BIAS		-	Identical under dual numbering
203	IS 15130 (Part 4):2002	Natural Gas - Determination of Composition with Defined	July, 2023	-	Identical under dual numbering

	ISO 6974-4 Reviewed In : 2023 ISO 6974-4	Uncertainty by Gas Chromatography - Part 4 : Determination of Nitrogen, Carbon Dioxide and C1 to C5 and C6+ Hydrocarbons for a Laboratory and On-line Measuring System Using Two Columns			
204	IS 15130 (Part 5):2021 ISO 6974-5 ISO 6974-5	Natural Gas - Determination of Composition with Defined Uncertainty by Gas Chromatography - Part 5 : Determination of Nitrogen Carbon Dioxide and C1 to C5 and C6 Hydrocarbons for a Laboratory and On-line Process Application Using Three Columns		-	Identical under dual numbering
205	IS 15305 (Part 1):2019 ISO 12213-1 : 2006 Reviewed In : 2024 ISO 12213-1	Natural Gas - Calculation of Compression Factor Part 1 Introduction and Guidelines ( First Revision )	March, 2024	-	Identical under dual numbering
206	IS 15305 (Part 2):2019 ISO 12213-2 : 2006 Reviewed In : 2024 ISO 12213-2:2006	Natural Gas - Calculation of Compression Factor Part 2 Calculation Using Molar-Composition Analysis ( First Revision )	March, 2024	-	Identical under dual numbering
207	IS 15305 (Part 3):2018 ISO 12213-3 : 2006 Reviewed In : 2023 ISO 12213-3	Natural gas - Calculation of compression factor: Part 3 calculation using physical properties (First Revision)	January, 2023	-	Identical under dual numbering
208	IS 15319:2020 ISO 13734 : 2013 ISO 13734	Natural Gas - Organic Components Used as Odorants - Requirements and Test Methods ( First Revision )	-	-	Identical under dual numbering
209	IS 15641 (Part 1):2006 ISO 10101-1 Reviewed In : 2022 ISO 10101-1	Natural gas - Determination of water by the karl fischer method: Part 1 INtroduction	December, 2022	-	Identical under dual numbering
210	IS 15641 (Part 2):2006 ISO 10101-2 Reviewed In : 2021 ISO 10101-2	Natural gas - Determination of water by the karl fischer method: Part 2 titration procedure	April, 2021	-	Identical under dual numbering
211	IS 15641 (Part 3):2007 ISO 10101 -3 Reviewed In : 2021 ISO 10101 -3	Natural gas - Determination of water by karl fischer method: Part 3 coulometric procedure	January, 2021	-	Identical under dual numbering
212	IS 17315 (Part 1):2019 ISO 4259-1 : 2017 Reviewed In : 2024 ISO 4259-1	Petroleum and Related Products - Precision of Measurement Methods and Results Part 1 Determination of Precision Data in Relation to Methods of Test	March, 2024	-	Identical under dual numbering
213	IS 17315 (Part 2):2019 ISO 4259-2 : 2017 Reviewed In : 2024	Petroleum and Related Products - Precision of Measurement Methods and Results Part 2 Interpretation and Application of	March, 2024	1	Identical under dual numbering

	ISO 4259-2	Precision Data in Relation to Methods of Test			
214	IS 17315 (Part 3):2025 ISO 4259 Part 3: 2020 ISO 4259 Part 3: 2020	Petroleum and Related Products - Precision of Measurement Methods and Results Part 3 Monitoring and Verification of Published Precision Data in Relation to Methods of Test		-	Identical under dual numbering
215	IS 17315 (Part 4):2025 ISO 4259 Part 4: 2021 ISO 4259 Part 4: 2021	Petroleum and Related Products - Precision of Measurement Methods and Results Part 4 Use of Statistical Control Charts to Validate 'in-statistical-control' Status for the Execution of a Standard Test Method in a Single Laboratory		-	Identical under dual numbering
216	IS 17315 (Part 5):2025 ISO 4259 Part 5: 2023 ISO 4259 Part 5: 2023	Petroleum and Related Products - Precision of Measurement Methods and Results Part 5 Statistical Assessment of Agreement between Two Different Measurement Methods that Claim to Measure the Same Property		-	Identical under dual numbering
217	IS 18887:2024	DME BLENDED LIQUIFIED PETROLEUM GAS (LPG) FUEL QUANTITATIVE DETERMINATION OF DIMETHYL ETHER (DME) CONTENT BY GAS CHROMATOGRAPHY		-	Indigenous
218	IS 7895:1975 Reviewed In : 2023	Tests for fire - Resistant characteristics of hydraulic fluids used in mining machinery	July, 2023	-	Indigenous

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	PCD 1 (27879)	PETROLEUM PRODUCTS AND RELATED PRODUCTS - DETERMINATION OF KINEMATIC VISCOSITY - METHOD BY STABINGER TYPE VISCOMETER
2	PCD 1 (27882)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XX DETERMINATION OF AROMATIC HYDROCARBON TYPES IN AVIATION TURBINE FUELS KEROSENE TYPE AND PETROLEUM DISTILLATES - HIGH PERFORMANCE LIQUID CHROMATOGRAPHY METHOD WITH REFRACTIVE INDEX DETECTION
3	PCD 1 (27883)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XX DETERMINATION OF DISTILLATION CHARACTERISTICS OF PETROLEUM PRODUCTS BY MICRO DISTILLATION METHOD
4	PCD 1 (27885)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART DETERMINATION OF FATTY ACID METHYL ESTERS FAME CONTENT DERIVED FROM BIO-DIESEL FUEL IN AVIATION TURBINE FUEL - GC-MS WITH SELECTIVE ION MONITORINGSCAN DETECTION METHOD
5	PCD 1 (27892)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XX EVALUATION OF



		LUBRICITY OF AVIATION TURBINE FUELS BY USING THE BALL-ON-CYLINDER LUBRICITY EVALUATOR BOCLE
6	PCD 1 (27893)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART STANDARD TEST METHOD FOR VAPOR PRESSURE OF PETROLEUM PRODUCTS MINI METHOD
7	PCD 1 (27894)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XX DETERMINATION OF TRACE IMPURITIES IN MONOCYCLIC AROMATIC HYDROCARBONS WITH CARBON NUMBER SEPERATION BY GAS CHROMTOGRAPGHY METHOD

### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	PCD 1 (28001)	Liquid petroleum products Determination of hydrocarbon types and oxygenates in automotive-motor gasoline and in ethanol E85 automotive fuel Multidimensional gas chromatography method

### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PCD 1 (23728)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART XXX DETERMINATION OF TOTAL VOLATILE SULPHUR IN GASEOUS HYDROCARBONS AND LIQUEFIED PETROLEUM GASES THROUGH ULTRAVIOLET FLUORESCENCE DETECTION
2	PCD 1 (25637)	LUBRICANTS - METHODS OF TESTS DETERMINATION OF WEAR PREVENTIVE CHARACTERISTICS - FOUR-BALL METHOD
3	PCD 1 (26887)	PETROLEUM AND ITS PRODUCTS TEST METHODS PART 1 DETERMINATION OF BASE NUMBER OF PETROLEUM PRODUCTS SECTION 2 POTENTIOMETRIC TITRATION
4	PCD 1 (26941)	PETROLEUM AND ITS PRODUCTS TEST METHODS PART 147 DETERMINATION OF POTENTIAL GUM IN MOTOR GASOLINES
5	PCD 1 (27041)	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART 7 DETERMINATION OF CALORIFIC VALUE BY CALCULATION Second Revision of IS 1448 Part 7
6	PCD 1 (27234)	Methods of Sampling of Petroleum and its Products Part 1 Manual Sampling Second Revision Amendment - 1
7	PCD 1 (28360)	PETROLEUM AND ITS PRODUCTS TEST METHODS DETERMINATION OF ELEMENTS IN UN-USED LUBRICATING GREASES BY INDUCTIVELY COUPLED PLASMA ATOMIC EMISSION SPECTROMETER
8	PCD 1 (28539)	Methods of test for petroleum and its products Part 61 Determination of the leakage tendencies of automotive wheel bearing greases First Revision Amendment - 1

### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	PCD 1 (28826)	Natural Gas -Determination of Composition with Defined Uncertainty by Gas Chromatography Part 1 Guidelines for Tailored Analysis First Revision Amendment - 1
2	PCD 1 (28827)	Natural gas - Guidelines to traceability in analysis Amendment - 1
3	PCD 1 (28828)	Natural Gas - Determination of Composition with Defined Uncertainty by Gas Chromatography - Part 4 Determination of Nitrogen Carbon Dioxide and C1 to C5 and C6 Hydrocarbons for a Laboratory and On-line Measuring System Using Two Columns Amendment - 1
4	PCD 1 (28829)	Natural gas - Calculation of compression factor Part 3 calculation using physical properties First Revision Amendment - 1
5	PCD 1 (28830)	Methods of test for petroleum and its products P 26 determination of knock characteristics of motor and aviation fuels - Motor method Second Revision Amendment - 1
6	PCD 1 (28831)	Methods of test for petroleum and its products P 27 determination of knock characteristics of motor fuels - Research method Second Revision Amendment - 1

### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	PCD 1 (21247)	Petroleum and its Products - Methods of test Part 201 Determination of Oxygenates such as Ethers Tertiary Amyl Alcohol and C1 to C4 Alcohols in Motor Gasoline by Gas Chromatography Method

2	PCD 1 (26783)	Methods of test for petroleum and its products P 32 crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary stoppered pyknometer and graduated bicapillary pyknometer methods Third Revision Amendment - 1
3	PCD 1 (26787) Revision of: IS 1448:2018	Petroleum and its Products Methods of Test Part 167 Determination of Density Laboratory Density Meter with an Oscillating U-Tube Sensor First Revision
4	PCD 1 (26806)	Petroleum and Related Products - Precision of Measurement Methods and Results Part 1 Determination of Precision Data in Relation to Methods of Test
5	PCD 1 (26902) Revision of: IS 1448:1985	PETROLEUM AND ITS PRODUCTS - METHODS OF TEST PART 119 DETERMINATION OF AROMATICS SPECIES AND TOTAL AROMATICS IN NAPHTHA GASOLINE AND GASOLINE POOL COMPONENTS BY GAS CHROMATOGRAPHY First Revision
6	PCD 1 (26949) Revision of: IS 1448:1983	PETROLEUM AND ITS PRODUCTS TEST METHODS PART 113 DETERMINATIONS OF TOTAL ACIDITY IN AVIATION TURBINE FUEL
7	PCD 1 (27182)	INDUSTRIAL QUENCHING OILS DETERMINATION OF COOLING CHARACTERISTICS NICKEL-ALLOY PROBE TEST METHOD
8	PCD 1 (27805) Revision of: IS 1448:1981	PETROLEUM AND ITS PRODUCTS - TEST METHODS PART 105 ULTRAVIOLET UV ABSORBANCE AND ABSORPTIVITY OF PETROLEUM PRODUCTS FIRST REVISION

**Total Published Standards:196 Total Standards Under development:30**

### Aspect Wise Report

Product : 0  
Code of Practices : 1  
Methods of Test : 202  
Terminology : 0  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 5  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

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

Sl. No.	IS No. & Year	Title
1	IS 1447:1966	Methods of Sampling of Petroleum and its Products
2	IS 1448 (Part 1):1971 Reviewed In : 2010	Neutralization Number by Potentiometric Titration - Part I
3	IS 1448 (Part 1/Sec 1):2002 Reviewed In : 2007	Methods of Test for Petroleum and its Products Part 1 Sec 1 Determination of Acid Number of Petroleum Products by Potentiometric Titration
4	IS 1448 (Part 10):1970 Reviewed In : 2013	Methods of test for petroleum and its products Part 10 Cloud point and pour point
5	IS 1448 (Part 17):1960 Reviewed In : 2008	Methods of test for petroleum and its products Part 17 Diesel index
6	IS 1448 (Part 24):1971 Reviewed In : 2007	Methods of Test for Petroleum and its Products - Part 24 Kauri-Butanol Value
7	IS 1448 (Part 25):1976 Reviewed In : 2018	Methods of test for petroleum and its products p 25 determination of kinematic and dynamic viscosity First Revision
8	IS 1448 (Part 35):1960	Methods of test for petroleum and its products Part 35 - Sulphur by quartz tube method
9	IS 1448 (Part 36):1960 Reviewed In : 2008	Methods of test for petroleum and its products Part 36 Sulphur mercaptans
10	IS 1448 (Part 37):1967	Methods of test for petroleum and its products Part 37 - Tetraethyl lead TEL by chlorate oxidation method
11	IS 1448 (Part 38):1982 Reviewed In : 2000	Methods of test for petroleum and its products Part 38 Determination of lead antiknock compound in gasoline by gravimetric method
12	IS 1448 (Part 45):1962	Methods of Test for Petroleum and its Products - Part 45 Knock Characteristics of Aviation Fuels

	Reviewed In : 2008	by the Aviation Method
13	IS 1448 (Part 46):1962 Reviewed In : 2018	Methods of test for petroleum and its products - Part 46 knock characteristics of aviation fuels by the supercharge method
14	IS 1448 (Part 47):1962 Reviewed In : 2008	Methods of Test for Petroleum and its Products - Part 47 Knock Characteristics of High Performance Fuels by Extended Motor Method
15	IS 1448 (Part 48):1972	Methods of test for petroleum and its products Part 48 - Olefins and aromatic content
16	IS 1448 (Part 49):1962	Methods of test for petroleum and its products Part 49 - Thermal stability of aviation turbine fuels
17	IS 1448 (Part 55):2004 Reviewed In : 2011	Methods of test for petroleum and its products Part 55 Saponification value saponifiable and unsaponifiable matter
18	IS 1448 (Part 63):1967 Reviewed In : 2003	Methods of test for petroleum and its products Part 63 - Benzene and toluene by ultra-violet spectrophotometry
19	IS 1448 (Part 75):1968 Reviewed In : 2008	Methods of test for petroleum and its products Part 75 Odour of liquefied petroleum gases
20	IS 1448 (Part 77):1971	Metallic Constituents of Lubricating Oils Chemical Method - Part 77
21	IS 1448 (Part 78):1973 Reviewed In : 2013	Methods of test for petroleum and its products Part 78 Determination of trace elements in petroleum products -- Copper
22	IS 1448 (Part 80):1973 Reviewed In : 2007	Methods of test for petroleum and its products Part 80 Determination of trace elements in Petroleum products -- Lead
23	IS 1448 (Part 81):1973 Reviewed In : 2018	Methods of test for petroleum and its products determination of trace elements in petroleum products total chlorine Wickbold Oxy - Hydrogen Combustion Method p 81
24	IS 1448 (Part 83):1974 Reviewed In : 2007	Methods of test for petroleum and its products Part 83 Determination sulphur by Wickbold oxyhydrogen method
25	IS 1448 (Part 88):1979	Methods of test for petroleum and its products Part 88 - Engine test method for evaluation of detergency characteristics of internal combustion engine crankcase oils
26	IS 1448 (Part 92):2018 ISO 2137 : 2007 2137 : 2007	Methods of test for petroleum and its products p 92 determination of cone penetration of lubricating greases and petrolatum First Revision
27	IS 1448 (Part 108):1982 Reviewed In : 2000 ISO 16591:2010	Methods of test for petroleum and its products Part 108 Aparent viscosity of engine oil at low temperature using the cold-cranking simulator
28	IS 1448 (Part 117):1984	Methods of test for petroleum and its products Part 117 - Determination of lead content in gasoline by volumetric chromate method
29	IS 1448 (Part 124):1987 Reviewed In : 2021	Methods of test for petroleum and its products Part 124 dilution of gasoline engine crankcase oils
30	IS 310 (Part 1):1951	Methods of sampling and test for lubricants Part 1
31	IS 310 (Part 2):1954	Methods of sampling and test for lubricants Part 2

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

SI. No.	IS No. & Year	Title
No Records Found		