Indian Standard

MOTOR GASOLINE — SPECIFICATION

(FifthRevision)

1 SCOPE

1.1 This standard prescribes the requirements and methods of sampling and test methods for two octane grades each of motor gasoline and 10 percent ethanol blended motor gasoline (E10) under each of BS III and BS IV categories suitable for use as a fuel in the automobile spark-ignition internal combustion engines of vehicles complying with BS III and BS IV emission norms, respectively.

1.2 This standard also applies to blends of gasoline with organic oxygenates such as alcohols and ethers.

1.3 This standard does not purport to address all of the safety problems associated with its use. It is the responsibility of the user of this specification to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

2 REFERENCES

The following standards contain provisions which, through reference in this text, constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revision, and parties to agreements based on the standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

IS No.	*Title*
1260 (Part 1) : 1973	Pictorial marking for handling and labeling of goods: Part 1 Dangerous good (*first revision*)
1447 (Part 1) : 2000	Petroleum and its products — Methods of sampling: Part 1 Manual Sampling (*first Revision*)
1448	Method of test for petroleum and its products
[P : 10/Sec 1]: 2012/ISO 3015 : 1992	Cloud point and pour point, Section 1 Determination of cloud point (*second revision*)
[P : 10/Sec 2]: 2013/ISO 3016 : 1994	Cloud point and pour point, Section 2 Determination of pour point (*second revision*)
[P : 15] : 2004/ ISO 2160 : 1998	Petroleum products — Corrosiveness to copper strip test (*third revision*)
[P : 16] : 1990	Density of crude petroleum and liquid petroleum products by hydrometer method (*third revision*)
[P : 18] : 1991	Distillation (*second revision*)
[P :23] : 2004/ ISO 3837 : 1993	Liquefied petroleum gases — Determination of hydrocarbon types Fluorescent indicator absorption method (*fourth revision*)
[P : 26] : 2013/ ISO 5163:2005	Knock characteristics of motor fuels by motor method (*first revision*)
[P : 27] : 2013/ ISO 5164 : 2005	Knock characteristics of motor fuels by research method (*first revision*)
[P : 28] : 2008/ ISO 7536 : 1994	Determination of oxidation stability of motor gasoline — Induction period method (*fourth revision*)
[P : 29] : 2004/ ISO 6246 : 1995	Petroleum products — Gum content of light and middle distillate fuels — Jet evaporation method (*third revision*)
[P : 30] : 2013/ ISO 3735 : 1999	Sediment in crude and fuel oils by extraction (*second revision*)
[P : 34]: 1979	Determination of sulphur in petroleum products (lamp method) (*second revision*)
[P : 39] : 2012/ ISO 3007: 1999	Determination of vapour pressure — Reid method (*second revision*)
[P : 80]: 1973	Determination of trace elements in petroleum products — Lead
[P : 82] : 2008/ ISO 3830: 1993	Determination of lead content in gasoline — Iodine monochloride method (*first revision*)
[P : 83]: 1974	Determination of sulphur by Wickbold oxyhydrogen method
[P : 153]: 2012/ ISO 20847 : 2004	Determination of sulphur content of automotive fuels — Energy-dispersive X-ray fluorescence spectrometry
15464: 2004	Anhydrous ethanol for use as automotive fuel