AMENDMENT NO. 3 JANUARY 2022

TO

IS 2796 : 2017 MOTOR GASOLINE — SPECIFICATION

(Sixth Revision)

(*Page* 2, *clause* **4.1**, *para* 1, *line* 4) — Delete '(99.5 percent, *v*/*v*)'

(*Page* 2, *clause* **4.1**, *para* 2, *line* 2) — Substitute '10 ± 1.0 percent (*v*/*v*)' *for* '9.75 ± 0.25 percent (*v*/*v*)'

(*Page* 2, *clause* **4.1**, *para* 2, *line* 3) — Delete '(99.5 percent, *v*/*v*)'

(*Page* 5, *Table* 1, *Note* 8, *line* 4) — Substitute '9.0 to 11.0' *for* '9.5 to 10.0'

(*Page* 13, *Annex* C, *clause* **C-10**) — Substitute the following for the existing:

C-10 PRECISION AND BIAS

C-10.1 In the absence of calibration plot the value observed in aqueous phase can be calculated to the nearest percentage volume as per the under mentioned precision levels.

C-10.2 Based on the field test data, it was observed that a maximum of 9.0-10.0 ml (average) of ethanol content is extracted in to the aqueous phase as against 10.0 ml ethanol added in ethanol doped motor gasoline.

C-10.3 The standard deviation of the test results at 5 percent ethanol content by volume is ± 0.3 percent and for 10 percent ethanol content by volume is ± 0.50 percent.

C-10.4 Considering the precision of the graduated glass cylinder, the maximum possible measurement can be treated as 10.0 percent by volume with standard deviation of ± 1.0 percent. Thus the repeatability under the method is as under:

Percentage	*Repeatability / Reproducibility*
5 percent (*v/v*)	0.5 ml (Approximately)
10 percent (*v/v*)	1.0 ml (Approximately)

(PCD 03)

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