



**NSAI**  
Standards

Irish National Annex  
NA:2020 TO I.S. EN 228:2012+A1:2017

# National Annex to Automotive fuels - Unleaded petrol - Requirements and test methods

## NA:2020 to I.S. EN 228:2012+A1:2017

*Relationship with other documents and/or  
Incorporating amendments/corrigenda issued since publication:*

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I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

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## NA:2020 to I.S. EN 228:2012+A1:2017

### National Annex Foreword

Each country implementing EN 228:2012+A1:2017 is required to establish a National Annex which defines sampling requirements, pump marking requirements (hereafter referred to as refuelling point labelling requirements) and seasonal volatility requirements.

This National Annex addresses:

- Sampling requirements (National Annex NA);
- Refuelling point labelling requirements (National Annex NB); and
- Seasonal volatility requirements (National Annex NC).

This National Annex was prepared by NSAI/TC 065 (*Liquid fuels of petroleum, synthetic and biological origin*).

The labelling requirements described in National Annex NB do not replace existing quality, safety or performance recommendations, marketing or branding information currently featured at refuelling points.

This National Annex is to be used in conjunction with I.S. EN 228:2012+A1:2017.

National Annexes are reviewed as necessary e.g. when a revised European standard is published or when an amendment or a corrigendum is issued. This National Annex identifies what amendments/corrigenda are addressed. The user should check that the National Annex addresses the latest changes to the European Standard. Previews of all documents are available on [www.standards.ie](http://www.standards.ie). Any questions should be directed to NSAI.

Where a European Standard has been changed (revised/amended/corrected) and the National Annex has yet to be revised to account for the change(s), the National Annex for the previous version is available.

Engineering judgement must be applied if using guidance contained therein e.g. when selecting appropriate parameters.

The table below indicates which changes have been considered by the relevant National Committee during the life of this edition of the European Standard.

Publication	Date published	Assessed and taken into account if relevant
I.S. EN 228:2012+A1:2017	2017-06-18	Yes

This National Annex does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a National Annex does not of itself confer immunity from legal obligations.

In line with international standards practice the following representation of numbers and numerical values apply:

- The decimal point is shown as a comma ( , ) throughout this National Annex.
- Each group of three digits reading to the left or to the right of a decimal sign are separated by a space from the preceding digits or following digits respectively.

**NA:2020 to I.S. EN 228:2012+A1:2017**

## **National Annex NA** **(normative)**

### **Sampling requirements**

#### **NA.1 Scope**

National Annex NA gives the sampling, storage, labelling and transport requirements to comply with Clause 3 of I.S. EN 228:2012+A1:2017.

#### **NA.2 Normative references**

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

I.S. EN 228:2012+A1:2017, *Automotive fuels - Unleaded petrol - Requirements and test methods*

I.S. EN 14275, *Automotive fuels – Assessment of petrol and diesel fuel quality – Sampling from retail site pumps and commercial site fuel dispensers*

I.S. EN ISO 3170, *Petroleum liquids – Manual sampling*

I.S. EN ISO 3171, *Petroleum liquids – Automatic pipeline sampling*

#### **NA.3 Sampling**

##### **NA.3.1 Sampling from storage tanks**

All sampling from storage tanks shall be carried out in accordance with the relevant procedures described in I.S. EN ISO 3170.

##### **NA.3.2 Sampling from pipelines**

All sampling from pipelines shall be carried out in accordance with the relevant procedures described in I.S. EN ISO 3170 or I.S. EN ISO 3171.

The drawing of samples using automatic techniques such as described in I.S. EN ISO 3171 is not recommended unless the sample is collected and transported to the test laboratory in a variable volume receiver that maintains the integrity of the sample.

##### **NA.3.3 Sampling from retail pumps and commercial site fuel dispensers**

All sampling from retail pumps and commercial site fuel dispensers shall be carried out in accordance with the relevant procedures described in I.S. EN 14275.

**NOTE** With reference to sample containers, attention is drawn to: Dangerous Substances Act [1] and subsequent regulations; Chemicals Act [2] and subsequent regulations; and European Communities (Carriage of Dangerous Goods by Road and Use of Transportable Pressure Equipment) Regulations [3].

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