

DIN EN 16715:2026-05 (E)

Liquid petroleum products - Determination of ignition delay and derived cetane number (DCN) of middle distillate fuels - Ignition delay and combustion delay determination using a constant volume combustion chamber with direct fuel injection

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle	7
5	Reagents and materials	7
6	Apparatus	8
7	Sampling	9
8	Apparatus assembly and installation	11
9	Preparation of apparatus	11
9.1	System start-up and warm-up	11
9.2	Standard operating and test conditions	11
10	Calibration	12
10.1	General	12
10.2	Calibration, verification and quality control	12
10.3	Apparatus verification	13
10.4	Quality control (QC)	13
11	Test procedure	14
12	Calculation	14
13	Expression of results	14
14	Precision	15
14.1	General	15
14.2	Repeatability, r	15
14.3	Reproducibility, R	15
15	Test report	16
Annex A (normative) Combustion analyser description		17
Annex B (normative) Operational details in support to the standard test procedure		20
Bibliography		24