

DIN EN ISO 13736:2021-07 (E)

Determination of flash point - Abel closed-cup method (ISO 13736:2021)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Principle	7
5	Chemicals and materials	7
6	Apparatus	7
7	Apparatus preparation	8
7.1	Location of the apparatus	8
7.2	Cleaning the test cup	8
7.3	Apparatus examination	8
7.4	Heating and cooling	8
7.4.1	Liquid baths	8
7.4.2	Solid metal baths	8
7.4.3	Test cup and cover	8
7.5	Apparatus verification	9
8	Sampling	9
9	Sampling handling	10
9.1	General	10
9.2	Subsampling	10
9.3	Samples containing undissolved water	10
9.4	Sample mixing	10
10	Procedure	10
11	Calculation	11
12	Expression of results	12
13	Precision	12
13.1	General	12
13.2	Repeatability, r	12
13.3	Reproducibility, R	13
14	Test report	13
Annex A (normative) Abel flash point apparatus		14

Annex B (normative) Positioning and fixing of test cup and heating vessel thermometers into thermometer collar	21
Annex C (normative) Temperature measuring device specifications	23
Annex D (normative) Apparatus verification	25
Annex E (informative) Flash point values of chemicals	28
Bibliography	29