

# DIN EN 15794:2010-02 (E)

## Determination of explosion points of flammable liquids

---

<b>Contents</b>		<b>Page</b>
Foreword .....		4
Introduction .....		5
1 Scope .....		6
2 Normative references .....		6
3 Terms and definitions .....		6
4 Principle of the test method .....		6
5 Test equipment .....		6
5.1 Reagents and Materials .....		6
5.1.1 Flammable liquid: .....		6
5.1.2 Sampling and Storage .....		6
5.2 Apparatus .....		7
5.3 Test vessel .....		8
5.4 Heating / cooling chamber .....		8
5.5 Ignition source .....		8
5.6 Stirrer .....		8
5.7 Barometer .....		9
5.8 Safety advice .....		9
6 Test procedure .....		9
6.1 General .....		9
6.2 Details .....		9
6.2.1 Step 1 .....		9
6.2.2 Step 2 .....		9
6.2.3 Step 3 .....		9
6.2.4 Step 4 .....		10
6.2.5 Step 5 .....		10
7 Expression of results .....		10
8 Verification of the apparatus .....		11
9 Test report .....		11
Annex A (informative) Safety advice .....		12
Annex B (informative) Estimation of explosion points .....		13
B.1 General .....		13
B.2 Pure substances .....		13
B.3 Mixtures of flammable components only .....		13
Annex C (normative) Criteria for flame detachment .....		15
Annex D (normative) Verification .....		16
Annex E (informative) Example for a form expressing the results .....		17

<b>Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 94/9/EC .....</b>	<b>18</b>
<b>Bibliography .....</b>	<b>19</b>
<b>Figures Figure 1 -- Explosion point apparatus; schematic .....</b>	<b>7</b>
<b>Figure C.1 -- Flame detachment .....</b>	<b>15</b>
<b>Figure C.2 -- Halo (UNDETACHED FLAME) .....</b>	<b>15</b>
<b>Tables Table D.1 -- Data for verification of the apparatus .....</b>	<b>16</b>
<b>Table ZA.1 -- Correspondence between this European Standard and Directive (Add the reference and title of the Directive) .....</b>	<b>18</b>