

DIN EN 15794:2010-02 (E)

Determination of explosion points of flammable liquids

	Contents	Page
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	

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