

DIN EN 17624:2022-05 (E)

Determination of explosion limits of gases and vapours at elevated pressures, elevated temperatures or with oxidizers other than air

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Test methods	7
4.1	General	7
4.2	Reagents and materials	7
4.2.1	Sample	7
4.2.2	Oxidizer	7
4.2.3	Inert gases	7
4.2.4	Gaskets and mountings	8
4.3	Apparatus	8
4.3.1	Test vessel	8
4.3.2	Measurement system to adjust the initial pressure and temperature	8
4.3.3	Ignition source	9
4.3.4	Equipment for preparing the test mixture	11
4.3.5	Temperature regulating system	12
4.3.6	Safety equipment	12
4.4	Preparation of the test mixture	12
4.4.1	General	12
4.4.2	Preparation of the test mixture	12
4.5	Procedure	13
4.6	Recording of results	14
5	Verification	14
6	Test report	14
Annex A (informative)	Safety measures	15
Annex B (normative)	Verification	16
Annex ZA (informative)	Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered	18
Bibliography		19