

DIN ISO 8454:2021-02 (E)

Cigarettes - Determination of carbon monoxide in the vapour phase of cigarette smoke - NDIR method (ISO 8454:2007 + Amd.1:2009 + Amd.2:2019)

Contents		Page
National foreword		3
National Annex NA (informative) Bibliography		4
Foreword		5
"Introduction"		6
1	Scope	7
2	Normative references	7
3	Terms and definitions	7
4	Principle	7
5	Apparatus	7
6	Standard gas mixtures	8
7	Procedure	8
7.1	Conditioning	8
7.2	Calibration of the NDIR analyser	9
7.3	Smoking and collection of vapour phase	9
7.3.1	Preparation of vapour-phase collection system	9
7.3.2	Smoking procedure	9
7.4	Measurement of carbon monoxide volume concentration	9
8	Expression of results	10
8.1	Calculation of the average volume of carbon monoxide per cigarette	10
8.2	Calculation of the average mass of carbon monoxide per cigarette	10
9	Repeatability and reproducibility	10
10	Test report	11
10.1	General	11
10.2	Characteristic data about the cigarette and cigarette identification	11
10.3	Sampling	12
10.4	Description of test	12
10.5	Test results	12
Bibliography		13