

DIN EN ISO 6145-4:2008-11 (E)

Gas analysis - Preparation of calibration gas mixtures using dynamic volumetric methods - Part 4: Continuous syringe injection method (ISO 6145-4:2004)

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Principle	5
4	Application to preparation of gas mixtures	6
4.1	Description of the experimental procedure	6
4.2	Area of validity	7
4.3	Operating conditions	8
5	Expression of results	8
5.1	Volume fraction	8
5.2	Sources of uncertainty	8
5.3	Uncertainty of volume fraction	9
Annex A (informative) Pre-mixed gases for preparation of mixtures of high dilution		10
Annex B (informative) Example of apparatus for preparation of calibration gas mixtures		11
Annex C (informative) Practical hints		13
Annex D (informative) Example of the determination of the uncertainty in the concentration of a calibration gas mixture prepared by the continuous injection method		16
Bibliography		19