

ISO 6142-2:2024-02 (E)

Gas analysis - Preparation of calibration gas mixtures - Part 2: Gravimetric method for Class II mixtures

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	2
5	Principle	2
6	Individual cylinder production	3
6.1	General	3
6.2	Estimation of generic uncertainty of the calibration gas mixtures	4
7	Batch production	4
7.1	General	4
7.2	Batch filling process	4
7.3	Calculation of the measurement uncertainty	6
8	Requirements for repeated verifications and document control	6
9	Defining ranges of components and amount fractions by category of mixtures	6
10	Preparation of certificate	7
Annex A (informative)	Practical example of the calculation of the generic uncertainty - Individual filling	8
Annex B (informative)	A practical example of the calculation of the generic uncertainty - Batch filling	10
Annex C (informative)	Example mixture categories	13
Bibliography		16