

ISO 10723:2012-12 (E)

Natural gas - Performance evaluation for analytical systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	2
3	Terms and definitions	2
4	Symbols	3
5	Principle	4
6	General procedure	5
6.1	Analytical requirements	5
6.2	Response function types	6
6.3	Calibration gas reference data	7
6.4	Working measurement standards (WMS)	8
6.5	Experimental design	9
6.6	Calculation procedures	11
7	Interpretation	16
7.1	General considerations	16
7.2	Pre-defined performance specification	16
7.3	Determination of the analytical range of the instrument	16
7.4	Criteria for selection of hypothetical compositions	17
Annex A (informative) Example of application using chromatography		18
Annex B (informative) Explanation of approach used for instrument benchmarking		30
Bibliography		32