

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