ISO 6974-2:2012-05 (E)

Natural gas - Determination of composition and associated uncertainty by gas chromatography - Part 2: Uncertainty calculations

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Symbols 1
4.1 Symbols 1
4.2 Subscripts 2

5 Calculation of uncertainty 2
5.1 General considerations 2
5.2 Principles 5
5.3 Step 9 -- Calculation of uncertainty of mole fractions 5
5.4 Step 10 -- Calculation of the expanded uncertainty of mole fractions 11

Annex A (informative) Calculation of processed component uncertainties for the methane-by-difference approach 12

Annex B (normative) Uncertainties of relative response factors 13

Annex C (informative) Alternative calculation of the uncertainty of the value of the unknown 14

Bibliography 16