ISO 2613-2:2023-12 (E)

Analysis of natural gas - Silicon content of biomethane - Part 2 : Determination of siloxane content by gas chromatography with ion mobility spectrometry

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **2**

4 Principle **2**

5 Materials **3**
5.1 Calibration gases 3
5.2 Diluent gas 3
5.3 Carrier and drift gas 3

6 Apparatus **3**

7 Sampling **4**
7.1 General 4
7.2 Safety precautions 4
7.3 Temperature control 4
7.4 Construction materials 4
7.5 Cleanness 5
7.6 Sampling of biomethane into vessels 5
7.7 Installation of the calibration gas cylinder 5
7.8 Pressure control 5
7.9 Purging of wetted flow path 5
7.10 Flow control 6
7.11 Diffusion control 6

8 Calibration **6**
8.1 Calibration procedure 6
8.2 Frequency of calibration 6

9 Measurement procedure **6**
9.1 Safety precautions 6
9.2 Analysis 6

10 Expression of results **7**
10.1 Quantities and units 7
10.2 Uncertainty 7
10.3 Test report 7

Annex A (informative) **Example of application** **8**

Bibliography **10**