ISO 25121:2026-10 (E)

Light olefins for industrial use - Determination of trace sulfur - Ultraviolet fluorescence method

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Reagents and Materials 1

6 Apparatus 2
6.1 Ultraviolet fluorescence analyzer 2
6.1.1 Pyrolysis Furnace 2
6.1.2 Combustion tube 2
6.1.3 Flow controller 2
6.1.4 Vapour drier 2
6.1.5 Ultraviolet fluorescence (UV) detector 3
6.2 Sampling Syringe for calibration standards 3
6.3 Inlet system for vaporized light olefin sample 3
6.4 Vaporization apparatus 3
6.5 Analytical Balance 3
6.6 Flask 3

7 Sampling 3

8 Procedure 3
8.1 Preparation of Apparatus 3
8.2 Calibration 4
8.3 Vaporization of liquid light olefin sample 4
8.4 Vaporized light olefin sample analysis 4

9 Calculation 4

10 Reporting 5

11 Precision 5
11.1 Repeatability (r) 5
11.2 Reproducibility(R) 5

12 Test report 5

Bibliography 7