ISO 19643:2026-01 (E)

Meat and meat products - Determination of nitrite and nitrate content - Continuous flow analysis (CFA) method

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Reagents 1

6 Apparatus 3

7 Procedures 3
7.1 Sampling 3
7.2 Sample pretreatment 4
7.3 Extraction and purification 4
7.4 Determination 4
7.4.1 Determination of standard solution 4
7.4.2 Determination of test sample 4
7.4.3 Checking the cadmium reduction capacity 4
7.4.4 Cadmium activation regeneration steps 4
7.5 Calculation and expression of results 5
7.5.1 Calculation of nitrite content 5
7.5.2 Calculation of nitrate content 5

8 Precision 5
8.1 General 5
8.2 Detection limit 6

9 Test report 6

Annex A (informative) Validation study results 7

Annex B (informative) Flow analysis diagram 9

Bibliography 11