DIN EN 17908:2024-02 (E)

Algae and algae products - Methods of sampling and analysis - Determination of total lipids content using the Ryckebosch-Foubert method

Contents

Page

European foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Principle 5

5 Apparatus 5

6 Reagents and materials 6

7 Sampling and sample handling 6

8 Procedure 7
8.1 General 7
8.2 Procedure without cell disruption 7
8.2.1 General 7
8.2.2 First extraction 7
8.2.3 Second extraction 8
8.3 Procedure with cell disruption 9
8.3.1 General 9
8.3.2 First extraction 9
8.3.3 Second extraction 10

9 Calculations 12

10 Quality control 12
10.1 General 12
10.2 Interlaboratory reproducibility 12

11 Test report 13

Annex A (informative) Results of Interlaboratory Trial and Round Robin 14

A.1 Introduction 14
A.2 Results of the Interlaboratory Trial 14
A.3 Results of the Round Robin 17

Annex B (informative) Explanation of the use of chloroform 19

B.1 Introduction 19
B.2 Possible replacement of chloroform by dichloromethane 19

Bibliography 20