

ISO 18830:2016-08 (E)

Plastics - Determination of aerobic biodegradation of non-floating plastic materials in a seawater/sandy sediment interface - Method by measuring the oxygen demand in closed respirometer

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Test environment	2
6 Reagents	2
7 Apparatus	3
8 Procedure	4
8.1 Test material	4
8.2 Reference material	4
8.3 Preparation of the sediment	4
8.4 Test setup	4
8.5 Pre-conditioning phase	5
8.6 Start of the test	5
8.7 End of the test	5
9 Calculation and expression of results	6
9.1 Calculation	6
9.2 Visual inspection	6
9.3 Expression and interpretation of results	6
10 Validity of results	7
11 Test report	7
Annex A (informative) Example of respirometric system based on pressure measurement	8
Bibliography	9