

ISO 14855-2:2018 (E)

Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions — Method by analysis of evolved carbon dioxide — Part 2: Gravimetric measurement of carbon dioxide evolved in a laboratory-scale test

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Principle
5	Reagents
6	Apparatus
7	Procedure
7.1	Preparation of the inoculum
7.2	Preparation of the sea sand
7.3	Preparation of test material and reference material
7.4	Starting up the test
7.5	Measurement of the evolved carbon dioxide
7.6	Incubation period
7.7	Termination of the test
8	Calculation
8.1	Theoretical amount of carbon dioxide evolved by test material
8.2	Percentage biodegradation
9	Expression and interpretation of results
10	Validity of results
11	Test report
Annex A	(informative) Basic principle of the test
Annex B	(informative) Example of an apparatus using an electrically heated composting vessel
Annex C	(informative) Derivation of the formula used to calculate the degree of biodegradation from the amount of carbon dioxide evolved