

# DIN EN ISO 23977-2:2022-01 (E)

Plastics - Determination of the aerobic biodegradation of plastic materials exposed to seawater - Part 2: Method by measuring the oxygen demand in closed respirometer (ISO 23977-2:2020)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
1	Scope .....	7
2	Normative references .....	7
3	Terms and definitions .....	7
4	Principle .....	9
5	Test environment .....	9
6	Reagents .....	9
7	Apparatus .....	10
8	Procedure .....	11
8.1	Test material .....	11
8.2	Reference materials .....	12
8.3	Test set up .....	12
8.4	Pre-conditioning phase .....	12
8.5	Start of the test .....	13
8.6	End of the test .....	13
9	Calculation and expression of results .....	13
9.1	Calculation .....	13
9.2	Visual inspection .....	14
9.3	Expression and interpretation of results .....	14
10	Validity of results .....	15
11	Test report .....	15
Annex A (informative) Example of a respirometric system .....		16
Bibliography .....		18