

# DIN EN ISO 10253:2006-08 (E)

## Water quality - Marine algal growth inhibition test with *Skeletonema costatum* and *Phaeodactylum tricornutum* (ISO 10253:2006)

---

<b>Contents</b>		<b>Page</b>
Foreword .....		2
1	Scope .....	4
2	Normative references .....	4
3	Terms and definitions .....	4
4	Principle .....	5
5	Materials .....	5
5.1	Test organisms .....	5
5.2	Water .....	6
5.3	Sea water .....	6
5.4	Nutrients .....	7
6	Apparatus .....	8
7	Procedure .....	8
7.1	Preparation of growth medium .....	8
7.2	Preparation of pre-culture and inoculum .....	8
7.3	Choice of test concentrations .....	9
7.4	Preparation of test substance stock solutions .....	9
7.5	Preparation of test and control batches .....	9
7.6	Incubation .....	10
7.7	Measurements .....	10
8	Validity criteria .....	10
9	Interpretation of data .....	11
9.1	Plotting growth curves .....	11
9.2	Calculation of percentage inhibition .....	11
9.3	Determination of EC(r)x .....	12
10	Expression of results .....	12
11	Interpretation of results .....	12
12	Reproducibility .....	12
13	Test report .....	13
Annex A (informative)	Preparation of dilution series of mixtures in sea water (effluents or elutriates) .....	14
Bibliography .....		15