

ISO 16191:2013-05 (E)

Water quality - Determination of the toxic effect of sediment on the growth behaviour of *Myriophyllum aquaticum*

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Interferences	3
6	Reagents	3
7	Apparatus	5
8	Test with reference substance	6
9	Test organism	6
10	Procedure	6
10.1	Pre-culturing of <i>Myriophyllum aquaticum</i> for the contact test	6
10.2	Preparation of the control sample	6
10.3	Sampling, storage, and preparation of the test samples	7
10.4	Test procedure	7
10.5	Exposure conditions	7
10.6	Measurements	8
11	Evaluation	9
11.1	Growth rate r	9
11.2	Means per test and control vessel (rV,T , rV,C)	9
11.3	Means per test and control sample (rS,T , rS,C)	9
11.4	Inhibition I	9
11.5	Estimation of $ErCx$ values	9
11.6	Expression of results	10
12	Validity criteria	11
13	Test report	11
Annex A (informative) Figures		12
Annex B (normative) Preparation of nutrient solution (Steinberg medium, following ISO 20079)		
14	Annex C (informative) Suppliers	16
Annex D (normative) Preparation of spiked artificial sediments		18
Annex E (informative) Performance data		20
Bibliography		21