

DIN EN ISO 20079:2006-12 (E)

Water quality - Determination of the toxic effect of water constituents and waste water on duckweed (*Lemna minor*) - Duckweed growth inhibition test (ISO 20079:2005)

Contents		Page
Foreword		2
Introduction		4
1 Scope		5
2 Normative references		5
3 Terms and definitions		5
4 Principle		7
5 Interferences		8
6 Apparatus		8
7 Reagents		8
8 Test organisms		11
9 Stock cultures and pre-cultures		11
10 Procedure		12
11 Validity criteria		14
12 Expression of results		14
13 Estimation of EC(r)x values for frond number and the second observation parameter		16
14 Documentation of results		16
15 Precision		16
16 Test report		17
Annex A (informative) Preparation of the nutrient media		18
Annex B (informative) Measurement of the lowest ineffective dilution (LID) of a waste water -- A simplified evaluation for testing of waste water		23
Annex C (informative) Suppliers of Lemna species		26
Bibliography		27