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National Standards Authority of Ireland

IRISH STANDARD

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ICS 13.030.01

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CHARACTERIZATION OF WASTE - PREPARATION OF WASTE SAMPLES FOR ECOTOXICITY TESTS

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Version Française
Deutsche Fassung

Characterization of waste - Preparation of waste samples for ecotoxicity tests

Caractérisation des déchets - Préparation des échantillons de déchets en vue d'essais écotoxicologiques

Charakterisierung von Abfällen - Herstellung von Abfallproben für ökotoxikologische Untersuchungen

This corrigendum becomes effective on 14 June 2006 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 14 juin 2006 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 14.Juni 2006 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Introduction

Delete the numbering of clauses: 0, 0.1 and 0.2.

Replace the last sentence by:

This European Standard describes the necessary steps to be performed before carrying out ecotoxicity tests on wastes within the context of assessment of ecotoxic properties **for classification purposes**.

3.1

Replace the definition 3.1 by:

3.1
dilution medium
liquid or solid used for the preparation of control vessels and the preparation of test mixture**s**

3.8

Replace the definition 3.8 by:

3.8
liquid sludge
sludge that has the characteristic of a liquid as specified in the definition of a liquid waste **(3.9)**

5 Taking of laboratory sample

Replace the NOTE by:

NOTE Sampling devices are described in a **Technical Report** under development (prCEN/TR 15310-2).

6 Transport

Replace the last sentence by:

A transport time of less than 48 h and/or a low temperature conditions (4 ± 2) °C are appropriate to maintain the properties of laboratory samples.

7.2 Waste sample

Replace second paragraph by:

A storage time of less than two months and low temperature conditions (4 ± 2) °C are appropriate to maintain the properties of waste samples.

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8 Waste characterization

Replace the NOTE by:

NOTE The method described in Annex A of ISO 14238:1997 has been found to be appropriate for **most kinds of waste.**

11.2.1 Leaching procedure

Replace the third paragraph by :

Ecotoxicological tests usually require several litres of eluate leading to an adjustment of mass of the test portion. When a large volume of eluate is required, it is possible to perform the leaching test in a vessel of appropriate capacity into which the corresponding number of test portions **[a dry mass of (90 ± 5) g]** are introduced or to perform parallel leaching tests at the same time with an appropriate number of vessels of 1 l capacity each (see above). In that case, all the individual eluates shall be mixed in order to obtain the test sample. When the leaching test is performed in one vessel, the size of the vessel shall be appropriate to minimise the headspace (≤ 5 % of the total capacity of the vessel).

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B.2.4 Coleoptera – Acute test

Replace B.2.4 by:

1. Title of the test	Effects of pollutants on insect larvae (*Oxythyrea funesta*) – Determination of acute toxicity using artificial soil substrate
2. Harmonization	**International**
3. References	**ISO 20963; NF X 31-260**
4. Principle	Determination of the percent mortality of *Cetoniinae* larvae during growth period after 10 days
5. Test type	Static acute
6. Test organism	Third instar larvae of the species *Oxythyrea funesta*
Breeding stocks	
Age	≈ 15 days, wet mass 100 mg to 200 mg
Feeding	Dried and finely ground cow-dung
7. Dilution medium	Artificial soil
Volume	300 g (dry weight) /container
8. Test conditions	
Test chamber	Enclosures
Temperature	(26 ± 1) °C
PH	6,0 ± 0,5
Light intensity/quality	Darkness
Photoperiod	-
Soil moisture	50 % of total WHC
9. Number of replicates	Three (10 larvae per replicate)
10. Test duration/incubation	10 days
11. Control	Artificial Soil
12. Validity criteria	Control: mortality < 10 %, biomass increase in the controls > 80 %
13. Reference substance	**ISO 20963: 2,4,5 trichlorophenol, 60 ≤ LC 50 ≤ 180 mg/kg** **NF X31-260:$HgCl_2$, 15 mg/kg ≤ LC 50 ≤ 45 mg/kg (as Hg^{2+})**
14. Statistics	Multiple t-test, u-test, regression analysis
15. Test parameter(s)	Mortality, growth (optional)
16. Endpoints	LC 50, NOEC (EC_x)
17. Application to wastes and water extracts from wastes: limitations and comments The test organism is not sensitive to modifications of the test mixture granulometry.	

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