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TEST REPORT

Applicant: [redacted]

Date of order: 14/05/2008

Subject: Determination of heavy metals and other hazardous substances in granules

Sample identification: Granules "REVODE"

Reference document: EN 13432 (2000) : Packaging – Requirements for packaging recoverable through composting and biodegradation – Test scheme and evaluation criteria for the final acceptance of packaging

1. SAMPLE DESCRIPTION

Granules « REVODE », PLA-based, left with the laboratory on May 15th 2008.

2. OPERATING CONDITIONS OF THE TEST

Test portions of sample were dissolved with nitric acid in a microwave digester. Elements zinc, copper, cadmium, nickel, lead, mercury, chromium, molybdenum, selenium and arsenic were quantified using I.C.P. atomic emission spectrometry; element fluorine was determined using Ion Chromatography.

Period of test: weeks 23-24/08

3. RESULTS

Element concentrations in mg/kg (ppm) in the material:

Element	« Revode »	Upper limit EN 13432
Fluorine	**< 30**	100
Molybdenum	**< 0.6**	1
Zinc	**= 2**	150
Lead	**< 6**	50
Nickel	**< 3**	25
Cadmium	**< 0.4**	0.5
Chromium	**< 2**	50
Copper	**= 2**	50
Mercury	**< 0.4**	0.5
Arsenic	**< 0.4**	5
Selenium	**< 0.4**	0.75

To be continued on next page

4. CONCLUSION

The material complies with the requirements for limitations in heavy metals and hazardous substances specified in annex A of EN 13432, applicable to packaging recoverable through composting and biodegradation.

Trappes, 20 June 2008

Head of the Chemical Analyses and Hygiene of Products and Materials Division

Head of the Technical Assistance and Analytical Development Unit

Régis LEBOSSÉ

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These results are only relevant to the samples, products or materials submitted to the LNE and which are defined in the present document.