

CORRECT REISSUE

HELLENIC REPUBLIC
MINISTRY OF ECONOMY AND FINANCE
GENERAL STATE CHEMICAL LABORATORY
4th CHEMICAL SERVICE OF ATHENS
4th DEPARTMENT
16, Tsocha Street, Postal Code 11521 Athens
Enquiries: I. Ierapetritis
Fax: 210 6465123 Tel. No.: 210 6479335

Athens, 6.12.2005

Ref. No. 02619/015/000

TO: NEOTEX S.A.
45 Victor Hugo Street,
Postal Code 19437 Athens

SUBJECT: Results of the examination of a sample of
“NEOPOX W”

RE: Your application dated 21.7.2005

In reply to your above referenced application, enclosed please find the report of the examination of the “NEOPOX W” sample that you forwarded to us.

The Head of the Chemical Service

E. Karageorgi

True photocopy, attested by Leonidas Antonopoulos – General State Chemical Laboratory (Signed-Sealed)

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ΜΕΤΑΦΡΑΣΤΙΚΗ ΥΠΗΡΕΣΙΑ

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16, An. Tsocha Street, Postal Code 11521 Athens
Enquiries: Ioannis Ierapetritis
Fax: 210 6469755 Tel. No.: 210 6479000

Athens, 16.11.2005

Ref. No. 02619/015/000

Sample No. 015/050/259/2005

SAMPLE EXAMINATION REPORT

Forwarding Organisation: NEOTEX S.A.
Incoming Document Type-Date: Application, 21.7.2005
Sampling Organisation: NEOTEX S.A.
45 Victor Hugo Street
Postal Code 10437 Athens
Type of Specimen: NEOPOX W Coating material
Sampling Date: 20.7.2005
Sample Name: SAMPLE A
Sample received on: 21.7.2005
Examination Date: From 28.7.2005 to 8.11.2005
Package: To be filled in by the Laboratory

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RESULTS OF THE EXAMINATION OF THE SAMPLE
SUBMITTED

EXAMINATION TYPE	EXAMINATION METHOD	RESULT
Polymer Identification	FT-IR	Epoxy resin of the Bisphenol-A/ Epichlorohydrin type
Organoleptic examination	In-house	Three successive tests (3d/23oC) with a new aqueous simulant each time: 1 st , 2 nd , 3 rd test: No varying organoleptic characteristics are observed compared to the control.
Overall migration in water with a standard cell	OM1/EN 1186-5 weighted	Three successive tests (3d/23oC) with a new aqueous simulant each time: 1 st : 2.3mg/dm ² , 2 nd : 1.2mg/dm ² 3 rd : <0.5mg/dm ²
Overall migration in isooctane 2d/20oC with a standard cell	OM7/EN 1186-5, modified weighted *	<0.5mg/dm ²
Specific migration of BADGE	EM8 HPLC	A) Water: 1 st cycle: BADGE(OH) ₂ <LOQ (LOQ/water=0.05mg/kg) 2 nd cycle: BADGE(OH) (Cl)=0.013mg/kg. BADGE(OH) ₂ <LOQ 3 rd cycle: BADGE(OH) (Cl)=0.013mg/kg, BADGE(OH) ₂ <LOQ B) Sunflower oil/10days/

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		40oC: BADGE, BFDGE and derivatives <LOD (LOD=0.02mg/kg) C) 40% Ethanol/40oC/ 10 days: BADGE(OH) ₂ = 17.3mg/kg
Specific Migration of Bisphenol-A	EM11, HPLC	A) Water: 1 st cycle: <LOQ (LOQ/water=0.072mg/kg) 2 nd cycle: <LOQ 3 rd cycle: <LOD (LOD= 0.0024 mg/kg) B) Sunflower oil/10days/ 40oC: <LOD (LOD = 0.013mg/kg) C) 40% Ethanol/40oC/ 10 days: 2.45mg/kg
Overall migration in 40% ethanol with a standard cell	OM7/EN 1186-5, modified weighted	20.6 mg/dm ²
Total Organic Carbon	TOC Analyser	Three successive tests (3d/23oC) with a new aqueous simulant each time: 1 st : 0.08mg/dm ² 2 nd : 0.05mg/dm ² 3 rd : <0.01mg/dm ² (in correspondence with the German Specifications, TOC limit=0.3mg/dm ²)*

OPINION:

The sample “NEOPOX W Coating Material” is:

A) Normal and meets the applicable conditions of Regulation (EC) No. 1935/2004 and article 28 of the Code on Foods and Beverages, for the properties tested, with respect to the migration of its constituents for its use in contact with fatty and aqueous

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foodstuffs;

B) Normal and fit for use in contact with potable water, in conformance with the German Specifications, Kunststoffe im Lebensmittelverkehr, para. 1.3.2.5;

C) Abnormal and unfit for use in contact with alcoholic beverages given that upon contact with the 40% ethanol simulant it presents:

a) an overall migration equal to 20.6mg/dm², much higher than the maximum permissible limit of 10mg/dm², Code on Foods and Beverages art. 28, para. 2a, d;

b) a specific migration of BADGE(OH)₂ equal to 17.3mg/kg, much higher than the maximum permissible limit of 1mg/kg, Code on Foods and Beverages art. 21a, para. 1.

NOTE: The remaining sample shall be destroyed by the competent laboratory if not requested by the interested party within one month.

The sample was taken and submitted by the interested party.

* The analyses were performed at the 3rd Chemical Service of Athens.

The Chemists: I. Ierapetritis (Signed) Al. Lioupis (Signed)

The Department Head: Lampi Evgenia (Signed)

The Head of the Chemical Service: Karageorgi Eleni (Signed)

(Seal of the 4th Chemical Service of Athens)

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Print date: 6.12.2005

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True translation of the attached document in Greek.

Athens, 21.3.2012 M. Kontopidou - Translator

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