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LABORATOIRE DE TRAPPES  
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## TEST REPORT

**Applicant :** EPSON  
Atlas Arena  
Asia Building  
Hoogoorddreef 5  
1101 BA – Amsterdam – The Netherlands

**Date and reference of order :** Agreement n°4400343174 – 21/02/2013

**Subject :** Tests on wall coverings

**Reference documents :**

- NF EN 12149 Determination of the migration of heavy and certain metals other extractibles elements of the content in chlorides of vinyl monomers and the clearance of formaldehyde
- NF EN 15102 (2011) Decorative wall coverings Roll and panel form products

**Sample reference :** CA DV 617

**Sample identification:** Erfurt Wallpaper CA DV 617 Printed on Epson Surecolor-S70600 with UltraChrome GSX inks

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### Laboratoire national de métrologie et d'essais

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**1. SAMPLE**

Reception date : 22 february 2013

**2. TEST PROCEDURE**

The environmental requirements of the NF 15102 were verified according to the test methods of NF IN 12149.

**2.1 TEST A**

Migration of heavy and certain metals other elements (antimony, arsenic, barium, cadmium, chromium, mercury, lead and selenium).

**2.2 TEST B**

Determination of the chloride of vinyl monomer.

**2.3 TEST C**

Determination of the formaldehyde.

**3. RESULTS**

**3.1 HEAVY METAL CONTENTS AND OTHER CERTAIN ELEMENTS EXPRESSED MILLIGRAMS PER KILOGRAM OF WALL COVERING**

	As	Hg	Sb	Pb	Cd	Ba	Cr	Se
CA DV 617	<2	<1	<5	<2	<1	<1	<1	<6

Limits :

As : 25 mg/kg

Hg : 20 mg/kg

Sb : /

Pb : 90 mg/kg

Cd : 25 mg/kg

Ba : 500 mg/kg

Cr : 60 mg/kg

Se : 165 mg/kg

Analyses realized week 12/2013.

**3.2 CONTENT IN CHLORIDE OF VINYL MONOMER EXPRESSED IN MILLIGRAM BY KILOGRAM OF WALL COVERING**

Test 1 : <0,17  
Test 2 : <0,15  
Test 3 : <0,15  
Average : <0,16

Specification limit of material : 0,2 mg/kg

Analyses realized week 12/2013.

**3.3 CONTENT IN FORMALDEHYDE EXPRESSED IN MILLIGRAM BY KILOGRAM OF WALL COVERING**

Test 1: 16

Specification limit of material : 120 mg/kg

Analyses realized week 12/2013.

**Continued on next page**

#### 4. CONCLUSION

The sample, in respect to heavy and certain metals and other elements (antimony, arsenic, barium, chromium, mercury, lead and selenium), in vinyl chloride monomer and in formaldehyde satisfy the requirements of documents quoted in reference.

Trappes, the 11 April 2013

Head of Chemical Properties of Materials  
Department

Test Officer



Thierry VINCELOT

Séverine MAGNY

The results mentioned are only applicable to the sample, to the product, or to the material given to the laboratory such as it is defined in the present document.