

QUALITY  
CERTIFICATES

KALİTE  
SERTİFİKALARI

valresa

Bir Türk - İspanyol ortaklığı olarak, ahşap ve sanayi boyaları, vernikleri ve tinerleri tasarımı, üretimi ve pazarlaması konularında hizmet vermek amacıyla İBA KİMYA A.Ş. ve VALRESA SA. tarafından son teknolojiler kullanılarak kurulan ve ISO-9001/2008 Kalite Yönetim Sistemi çerçevesinde faaliyetlerini sürdüren şirketimizde üretilen **İBAVET** ve **valresa** markalı ürünlerimiz UNE EN 71-3 Avrupa Standart normlarını karşılamakta olup insan sağlığına, diğer canlılara ve çevreye zararlı kurşun ve diğer ağır metalleri içermemektedirler. Ayrıca ürünlerimizin hiçbirinde Avrupa Standartlarınca kabul edilmiş cins ve oranların dışında herhangi bir zararlı kimyasal madde bulunmamaktadır.

**iba.valresa** tesislerinde üretilen ve çift komponentli boya ve verniklerde kullanılan sertleştiricilerimizin tümünde, insan sağlığına duyarlılığımız nedeniyle, düşük oranda serbest monomer ihtiva eden "BAYER" markalı ürünler kullanılmaktadır.

**iba.valresa** tesislerinde üretilen tüm ürünlerimizin sağlık açısından endişe duyulmaksızın kullanılabileceğini bir defa daha belirtir, bugüne kadar firmamıza ve ürünlerimize göstermiş olduğunuz güven ve işbirliğiniz için teşekkür ederiz.

İBA.VALRESA

Boya ve Kimya Sanayi Tic. A.Ş.



**I. ISO KALİTE BELGESİ****II. KALİTE SERTİFİKALARI**

- 2.1. VAL.110086 PÜ Dolgu & VAL.120053 PÜ Parlak Vernik
- 2.2. VAL.100043 Akrilik Dolgu & VAL.133039 Akrilik Parlak Vernik
- 2.3. VAL.110086 PÜ Dolgu & VAL.123064 PÜ İpekmat Vernik
- 2.4. VAL.100001 PÜ Astar Beyaz Boya &  
VAL.160000 PÜ Parlak Beyaz Boya
- 2.5. VAL.100001 PÜ Astar Beyaz Boya &  
VAL.160219 PÜ Mat Beyaz Boya
- 2.6. VAL.100001 PÜ Astar Beyaz Boya (Sararmaz Sertleştirici) &  
VAL.173009 Akrilik Parlak Beyaz Boya
- 2.7. VAL.270020 Su Bazlı PÜ Astar Beyaz Boya &  
VAL.270519 Su Bazlı PÜ Mat Beyaz Boya

**III. TEST RAPORLARI**

- 3.1. VAL.1110086 PÜ Dolgu & VAL.120053 PÜ Parlak Vernik
- 3.2. VAL.100043 Akrilik Dolgu & VAL.133039 Akrilik Parlak Vernik
- 3.3. VAL.110086 PÜ Dolgu & VAL.123064 PÜ İpekmat Vernik
- 3.4. VAL.100001 PÜ Astar Beyaz Boya &  
VAL.160000 PÜ Parlak Beyaz Boya
- 3.5. VAL.100001 PÜ Astar Beyaz Boya &  
VAL.160219 PÜ Mat Beyaz Boya
- 3.6. VAL.100001 PÜ Astar Beyaz Boya (Sararmaz Sertleştirici) &  
VAL.173009 Akrilik Parlak Beyaz Boya
- 3.7. VAL.270020 Su Bazlı PÜ Astar Beyaz Boya &  
VAL.270519 Su Bazlı PÜ Mat Beyaz Boya





Bu bölümde yer alan test sertifikaları İspanyol AIDIMA Teknoloji Enstitüsü tarafından test edilen ürünlerin EN 71-3 Avrupa standardı spesifikasyonlarına uygunluğunu tanımlamaktadır. Test edilen ürünler içerisindeki insan sağlığına zararlı maddelerden Arsenik, Baryum, Kadmiyum, Krom, Civa, Kurşun, Antimon ve Selenyum miktarları EN 71-3 Avrupa standardı normlarının izin verdiği miktarların çok altında ölçülmüştür.



**TEST CERTIFICATE**

**PRODUCT:** VAL.110086 : VAL.190026 2:1 PU Transparent Sealer  
VAL.120053 : VAL.190004 2:1 PU Transparent Glossy Topcoat

**COMPANY:** İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
1.OSB Oğuz Caddesi No : 24 06935  
Sincan - Ankara / Türkiye  
Phone number: +90312 267 56 22


**TEST:** Migration of certain elements

**RESULT:** According to the test report (ref. no. 034.0212-MA-E) (issued on 21<sup>st</sup> February 2012), the test sample taken from the mentioned product, obtained the following results:

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-03	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

According with the results shown above, the product tested fulfil the EN 71-3 specifications.

Paterna, 08<sup>th</sup> March 2012

  
Rosa Mª Pérez Campos, PhD  
Head of Materials Laboratory  
AIDIMA

This certificate does only apply to the samples tested at the AIDIMA laboratory.

"AIDIMA is a member of INNOVAWOOD, the European network of Forestry, Wood and Furniture Research and Training, an organisation that includes, among other, CATAS (Italy), CTBA (France), CTIB (Belgium), DTI (Denmark), ELKEDE (Greece), HFA (Austria), IHD (Germany), ITD (Poland), SHR (Holland), ST-TRÅTEK (Sweden), TRADA-FIRA (Great Britain), University of Zagreb (Croatia), VTT (Finland), and WKI (Germany), etc"



**AIDIMA**

Report reference: 033.0212-MA-E

**TEST CERTIFICATE**

**PRODUCT:** VAL.100043 : VAL.190069 8:1 Acrylic Transparent Sealer  
VAL.133039 : VAL.190072 2:1 Acrylic Transparent Glossy Topcoat

**COMPANY:** İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
1.OSB Oğuz Caddesi No : 24 06935  
Sincan - Ankara / Türkiye  
Phone number: +90312 267 56 22

**TEST:** Migration of certain elements

**RESULT:** According to the test report (ref. no. 033.0212-MA-E) (issued on 21<sup>st</sup> February 2012), the test sample taken from the mentioned product, obtained the following results:

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-02	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

According with the results shown above, the product tested fulfil the EN 71-3 specifications.

Paterna, 08<sup>th</sup> March 2012

  
Rosa Mª Pérez Campos, PhD  
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**TEST CERTIFICATE****PRODUCT:**

VAL.110086 : VAL.190026 2:1 PU Transparent Sealer  
VAL.123064 : VAL.190001 2:1 PU Transparent Semi Matt Topcoat

**COMPANY:**

Iba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
1.OSB Oğuz Caddesi No : 24 06935  
Sincan - Ankara / Türkiye  
Phone number: +90312 267 56 22

**TEST:**

Migration of certain elements


**RESULT:**

According to the test report (ref. no. 013.0212-MA-E) (issued on 21<sup>st</sup> February 2012), the test sample taken from the mentioned product, obtained the following results:

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-01	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

According with the results shown above, the product tested fulfil the EN 71-3 specifications.

Paterna, 08<sup>th</sup> March 2012

  
Rosa Mª Pérez Campos, PhD  
Head of Materials Laboratory  
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**AIDIMA**

Report reference: 035.0212-MA-E

**TEST CERTIFICATE****PRODUCT:**

VAL.100001 : VAL.190021 2:1 PU White Sealer  
VAL.160000 : VAL.190004 2:1 PU Glossy White Topcoat

**COMPANY:**

Iba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
1.OSB Oğuz Caddesi No : 24 06935  
Sincan - Ankara / Türkiye  
Phone number: +90312 267 56 22

**TEST:**

Migration of certain elements

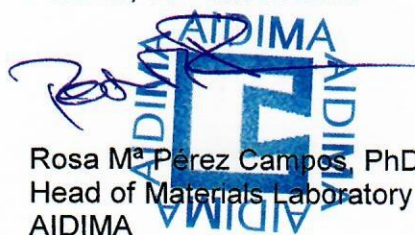
**RESULT:**

According to the test report (ref. no. 035.0212-MA-E) (issued on 21<sup>st</sup> February 2012), the test sample taken from the mentioned product, obtained the following results:

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-04	< 2,5	5,85	< 2,5	< 2,5	< 2,5	2,65	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

According with the results shown above, the product tested fulfil the EN 71-3 specifications.

Paterna, 08<sup>th</sup> March 2012

  
Rosa M<sup>a</sup> Pérez Campos, PhD  
Head of Materials Laboratory  
AIDIMA

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**AIDIMA**

Report reference: 036.0212-MA-E

**TEST CERTIFICATE****PRODUCT:**

VAL.100001 : VAL.190021 2:1 PU White Sealer  
VAL.160219 : VAL.190046 2:1 PU Matt White Topcoat

**COMPANY:**

İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
1.OSB Oğuz Caddesi No : 24 06935  
Sincan - Ankara / Türkiye  
Phone number: +90312 267 56 22

**TEST:**

Migration of certain elements

**RESULT:**

According to the test report (ref. no. 036.0212-MA-E) (issued on 21<sup>st</sup> February 2012), the test sample taken from the mentioned product, obtained the following results:

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-05	< 2,5	8,25	< 2,5	< 2,5	< 2,5	3,90	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

According with the results shown above, the product tested fulfil the EN 71-3 specifications.

Paterna, 08<sup>th</sup> March 2012

Rosa M<sup>a</sup> Pérez Campos, PhD  
Head of Materials Laboratory  
AIDIMA

This certificate does only apply to the samples tested at the AIDIMA laboratory.

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Bu bölümde yer alan test raporları, test edilen ürünlere ait sertifikaların verilmesi için yapılan ölçümlerin detaylarını açıklamaktadır. Ölçümler İspanyol AIDIMA Teknoloji Enstitüsü'nün Valencia İspanya'daki tesisinde gerçekleştirilmiştir. Her test raporunun sonunda yer alan "Yorumlar" bölümünde test edilen ürünlerin EN 71-3 spesifikasyonlarına uygunluğunun doğrulandığı belirtilmiştir.



**AIDIMA**

Sample reference: 1201060-[03]  
Order sheet: 21102456

**TEST REPORT n° 034.0212-MA-E**

**REQUESTED BY:**

<b>COMPANY:</b>	İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.
<b>PERSON IN CHARGE:</b>	Alptekin AKGÜMÜŞ
<b>ADDRESS:</b>	1.OSB Oğuz Caddesi No : 24 06935
<b>CITY:</b>	Sincan - Ankara / Türkiye
<b>PHONE NUMBER:</b>	+90312 267 56 22

**REFERRING TO:**

<b>SAMPLE:</b>	Coating
<b>TEST:</b>	Migration of certain elements

<b>SAMPLE RECEPTION DATE:</b>	19 of January, 2012
<b>TESTING STARTING DATE:</b>	19 of January, 2012
<b>TESTING FINISHING DATE:</b>	30 of January, 2012

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

The sample, object of this report will be in AIDIMA for 6 months from the report. Once this period of time is over, the sample will be managed suitably, therefore any claim must be carried out within this limits.

Environmental Laboratory

Parque Tecnológico - Calle Benjamín Franklin, 13  
Apartado no 50 - 46980 PATERNA (Valencia) ESPAÑA  
Tel: 96 136 60 70 - Fax 96 136 61 85  
E-mail: aidima@aidima.es

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**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-03	VAL.110086 : VAL.190026 2:1 PU Transparent Sealer VAL.120053 : VAL.190004 2:1 PU Transparent Glossy Topcoat

Table 1.- Sample reference and description.



Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.

The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-03	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.




The results of these tests only refers to the object/s tested.

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21<sup>th</sup> of February, 2012



Kiko Blasco Molla  
Technical Manager of the  
Environmental Laboratory



Jessica Belda Diaz  
Researcher of the  
Environmental Laboratory



**AIDIMA**

Sample reference: 1201060-[02]

Order sheet: 21102456

**TEST REPORT nº 033.0212-MA-E**

**REQUESTED BY:**

**COMPANY:** İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
**PERSON IN CHARGE:** Alptekin AKGÜMÜŞ  
**ADDRESS:** 1.OSB Oğuz Caddesi No : 24 06935  
**CITY:** Sincan - Ankara / Türkiye  
**PHONE NUMBER:** +90312 267 56 22

**REFERRING TO:**

**SAMPLE:** Coating  
**TEST:** Migration of certain elements

**SAMPLE RECEPTION DATE:** 19 of January, 2012  
**TESTING STARTING DATE:** 19 of January, 2012  
**TESTING FINISHING DATE:** 30 of January, 2012

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

The sample, object of this report will be in AIDIMA for 6 months from the report. Once this period of time is over, the sample will be managed suitably, therefore any claim must be carried out within this limits.

Environmental Laboratory

Parque Tecnológico - Calle Benjamín Franklin, 13  
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www.aidima.es



**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-02	VAL.100043 : VAL.190069 8:1 Acrylic Transparent Sealer VAL.133039 : VAL.190072 2:1 Acrylic Transparent Glossy Topcoat

Table 1.- Sample reference and description.

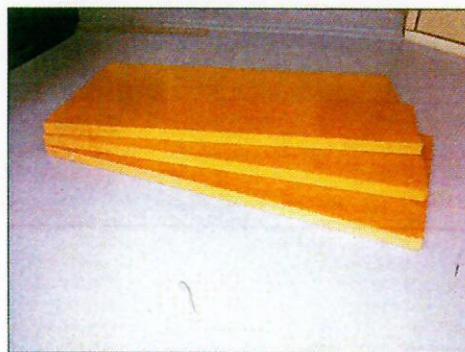


Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.

The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-02	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.



The results of these tests only refers to the object/s tested.

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21<sup>th</sup> of February, 2012



Kiko Blasco Molla  
Technical Manager of the  
Environmental Laboratory



Jessica Belda Díaz  
Researcher of the  
Environmental Laboratory



**AIDIMA**

Sample reference: 1201060-[01]  
Order sheet: 21102456

**TEST REPORT nº 013.0212-MA-E**

**REQUESTED BY:**

**COMPANY:** İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
**PERSON IN CHARGE:** Alptekin AKGÜMÜŞ  
**ADDRESS:** 1.OSB Oğuz Caddesi No : 24 06935  
**CITY:** Sincan - Ankara / Türkiye  
**PHONE NUMBER:** +90312 267 56 22

**REFERRING TO:**

**SAMPLE:** Coating  
**TEST:** Migration of certain elements

**SAMPLE RECEPTION DATE:** 19 of January, 2012  
**TESTING STARTING DATE:** 19 of January, 2012  
**TESTING FINISHING DATE:** 30 of January, 2012

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

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Environmental Laboratory

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Apartado no 50 - 46980 PATERNA (Valencia) ESPAÑA  
Tel: 96 136 60 70 - Fax 96 136 61 85  
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**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-01	VAL.110086 : VAL.190026 2:1 PU Transparent Sealer VAL.123064 : VAL.190001 2:1 PU Transparent Semi Matt Topcoat

Table 1.- Sample reference and description.



Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.

The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-01	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.



The results of these tests only refers to the object/s tested.

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21<sup>th</sup> of February, 2012



Kiko Blasco  
Technical Manager of the  
Environmental Laboratory



Jessica Belda Díaz  
Researcher of the  
Environmental Laboratory



**AIDIMA**

Sample reference: 1201060-[04]  
Order sheet: 21102456

**TEST REPORT nº 035.0212-MA-E**

**REQUESTED BY:**

<b>COMPANY:</b>	<b>İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.</b>
<b>PERSON IN CHARGE:</b>	<b>Alptekin AKGÜMÜŞ</b>
<b>ADDRESS:</b>	<b>1.OSB Oğuz Caddesi No : 24 06935</b>
<b>CITY:</b>	<b>Sincan - Ankara / Türkiye</b>
<b>PHONE NUMBER:</b>	<b>+90312 267 56 22</b>

**REFERRING TO:**

<b>SAMPLE:</b>	<b>Coating</b>
<b>TEST:</b>	<b>Migration of certain elements</b>

<b>SAMPLE RECEPTION DATE:</b>	<b>19 of January, 2012</b>
<b>TESTING STARTING DATE:</b>	<b>19 of January, 2012</b>
<b>TESTING FINISHING DATE:</b>	<b>30 of January, 2012</b>

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The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-04	< 2,5	5,85	< 2,5	< 2,5	< 2,5	2,65	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.

The results of these tests only refers to the object/s tested.

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21<sup>th</sup> of February, 2012



Kiko Blasco Mollà  
Technical Manager of the  
Environmental Laboratory



Jessica Belda Díaz  
Researcher of the  
Environmental Laboratory





Sample reference: 1201060-[05]  
Order sheet: 21102456

## TEST REPORT nº 036.0212-MA-E

### REQUESTED BY:

COMPANY:	İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.
PERSON IN CHARGE:	Alptekin AKGÜMÜŞ
ADDRESS:	1.OSB Oğuz Caddesi No : 24 06935
CITY:	Sincan - Ankara / Türkiye
PHONE NUMBER:	+90312 267 56 22

### REFERRING TO:

SAMPLE:	Coating
TEST:	Migration of certain elements

SAMPLE RECEPTION DATE:	19 of January, 2012
TESTING STARTING DATE:	19 of January, 2012
TESTING FINISHING DATE:	30 of January, 2012

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

The sample, object of this report will be in AIDIMA for 6 months from the report. Once this period of time is over, the sample will be managed suitably, therefore any claim must be carried out within this limits.

### Environmental Laboratory

Parque Tecnológico - Calle Benjamín Franklin, 13  
Apartado no 50 - 46980 PATERNA (Valencia) ESPAÑA  
Tel: 96 136 60 70 - Fax 96 136 61 85  
E-mail: aidima@aidima.es

**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-05	VAL.100001 : VAL.190021 2:1 PU White Sealer VAL.160219 : VAL.190046 2:1 PU Matt White Topcoat

Table 1.- Sample reference and description.

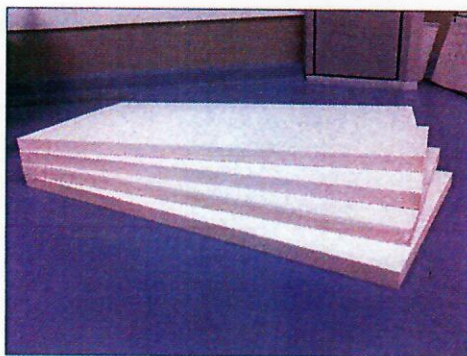


Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.



The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-05	< 2,5	8,25	< 2,5	< 2,5	< 2,5	3,90	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.

The results of these tests only refers to the object/s tested.

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21<sup>th</sup> of February, 2012



Kiko Blasco Molla  
Technical Manager of the  
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Jessica Belda Díaz  
Researcher of the  
Environmental Laboratory





**AIDIMA**

Sample reference: 1201060-[06]

Order sheet: 21102456

## TEST REPORT nº 037.0212-MA-E

### REQUESTED BY:

<b>COMPANY:</b>	<b>İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.</b>
<b>PERSON IN CHARGE:</b>	<b>Alptekin AKGÜMÜŞ</b>
<b>ADDRESS:</b>	<b>1.OSB Oğuz Caddesi No : 24 06935</b>
<b>CITY:</b>	<b>Sincan - Ankara / Türkiye</b>
<b>PHONE NUMBER:</b>	<b>+90312 267 56 22</b>

### REFERRING TO:

<b>SAMPLE:</b>	<b>Coating</b>
<b>TEST:</b>	<b>Migration of certain elements</b>

<b>SAMPLE RECEPTION DATE:</b>	<b>19 of January, 2012</b>
<b>TESTING STARTING DATE:</b>	<b>19 of January, 2012</b>
<b>TESTING FINISHING DATE:</b>	<b>30 of January, 2012</b>

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

The sample, object of this report will be in AIDIMA for 6 months from the report. Once this period of time is over, the sample will be managed suitably, therefore any claim must be carried out within this limits.

**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-06	VAL.100001 : VAL.190069 4:1 PU White Sealer (Yellowing Resistant) VAL.173009 : VAL.190072 2:1 Acrylic Glossy White Topcoat

Table 1.- Sample reference and description.

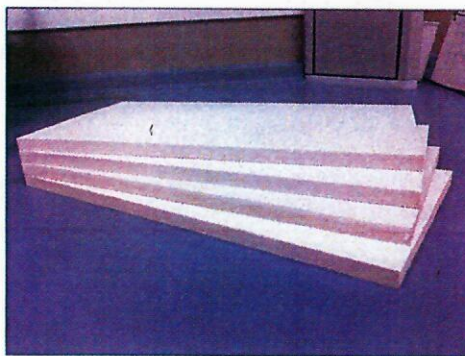


Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.



The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-06	< 2,5	21,9	< 2,5	< 2,5	< 2,5	9,80	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.

The results of these tests only refers to the object/s tested.

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Jessica Belda Díaz  
Researcher of the  
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**AIDIMA**

Sample reference: 1201060-[07]

Order sheet: 21102456

## TEST REPORT nº 038.0212-MA-E

### REQUESTED BY:

**COMPANY:** İba.Valresa Boya ve Kimya Sanayi Tic. A.Ş.  
**PERSON IN CHARGE:** Alptekin AKGÜMÜŞ  
**ADDRESS:** 1.OSB Oğuz Caddesi No : 24 06935  
**CITY:** Sincan - Ankara / Türkiye  
**PHONE NUMBER:** +90312 267 56 22

### REFERRING TO:

**SAMPLE:** Coating  
**TEST:** Migration of certain elements

**SAMPLE RECEPTION DATE:** 19 of January, 2012  
**TESTING STARTING DATE:** 19 of January, 2012  
**TESTING FINISHING DATE:** 30 of January, 2012

**THIS REPORT CONSIST OF 4 CONSECUTIVELY NUMBERED PAGES.**

The sample, object of this report will be in AIDIMA for 6 months from the report. Once this period of time is over, the sample will be managed suitably, therefore any claim must be carried out within this limits.

Environmental Laboratory

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3.7

**1. SAMPLE DESCRIPTION AND IDENTIFICATION.  
PREVIOUS IDENTIFICATION TO THE TEST.**

Samples of a finishing process applied on MDF boards (34,5 x 15 x 1) cm are supplied. According to the information supplied by the customer, the coating process tested is consisted of the products labeled as:

Reference AIDIMA	Description
1201060-07	VAL.270020 : VAL.190202 8:1 Waterborne PU White Sealer VAL.270519 : VAL.190202 2:1 Waterborne PU Matt White Topcoat

Table 1.- Sample reference and description.

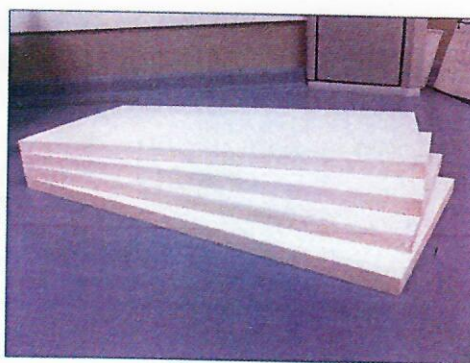


Figure 1.- Samples supplied by the company.

**2. SAMPLE TRACEABILITY**

The samples were supplied by the company to AIDIMA facilities (Paterna, València).

**3. TEST REQUESTED**

- Migration of certain elements.

**4. METHOD DESCRIPTION**

One gram of coating is taken from the sample (Figure 1), through mechanical action.

Then, the coating is mixed with 0,07 M HCl solution (50 times the coating weight).

The solution is shaken one minute and the pH is measured. The pH has to be between 1,0 and 1,5.



The method goes on and the sample is shaken one hour at 37 °C. Then the sample is leaved to rest one more hour at 37 °C and filtered if necessary.

Finally, certain elements are measured by ICP-OES. The mercury one is measured by AA (Cold Vapor and Hydride Generation).

## 5. STANDARD TEST METHODS

The test method used to assess the metals determination is according with the european standard: EN 71-3 "Safety of toys - Part 3: Migration of certain elements".

PARAMETER	METHOD
Migration	EN 71-3
Metals determination	EN ISO 11885
Mercury	AA, Cold Vapor and Hydride Generation

Table 2.- Test Methods.

## 6. TEST RESULTS

Sample	(mg/kg)							
	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
1201060-07	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5	< 2,5
Specifications EN 71-3	25	1000	75	60	60	90	60	500

Table 3.- Results.

### COMMENTS:

According the obtained results, it can be concluded that the samples tested fulfil the EN 71-3 specifications.


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