



Reference: 1404147-01
Order Sheet: 21400891

TEST REPORT nº 116.0514-MA-E

REQUESTED BY:

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REFERRING TO:

SAMPLE:	Black MDF board
TEST:	Migration of certain elements

SAMPLE RECEPTION DATE:	29th of april, 2014
TESTING STARTING DATE:	06th of may, 2014
TESTING FINISHING DATE:	20th of may, 2014

THIS REPORT CONSISTS OF 4 CONSECUTIVELY NUMBERED PAGES.

The test sample, the subject of this report, will remain at AIDIMA for a period of ten days starting from the report issue date. That period having expired, it will be destroyed. Hence, any claim must be made within this time limit.

Environmental Laboratory

1. DESCRIPTION AND IDENTIFICATION OF THE SAMPLE. INSPECTION BEFORE TESTING.

The sample is a black MDF board, identified by the company as 19 mm Valchromat preto, which reference is shown in the following table:

AIDIMA reference	Sample description
1404147-01	Black MDF board, 19 mm Valchromat preto

Table 1.- Reference and sample description.

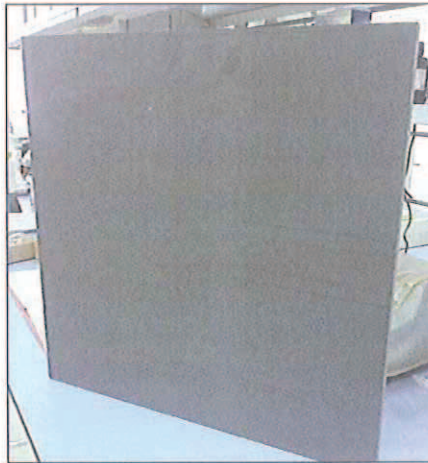


Figure 1.- Black MDF board.

2. COLLECTION AND STORAGE OF THE SAMPLE.

The sample is delivered to AIDIMA headquarters (Paterna) by the company.

The test sample is safe kept in the laboratory until testing.

3. TEST REQUESTED

Migration of certain elements (UNE-EN 71-3:2013)

4. METHODOLOGY

Migration of certain elements.

Soluble elements are extracted from *toy materials* under the conditions which simulate the material remaining in contact with gastric simulant for a period of time after swallowing. The concentrations of the soluble elements are determined quantitatively by atomic emission (ICP-OES).

5. RESULTS

Parameter	Black MDF board Ref.: 1404147-01	Standard especifications UNE-EN 71-3:2013
Al (mg/kg)	11,8	70.000
Sb (mg/kg)	0,35	560
As (mg/kg)	< 0,05	47
Ba (mg/kg)	0,50	56.000
B (mg/kg)	43,1	15.000
Cd (mg/kg)	0,15	23
Cr total (mg/kg)	< 0,05	0,2 ¹
Co (mg/kg)	< 0,05	130
Cu (mg/kg)	0,50	7.700
Pb (mg/kg)	< 0,05	160
Mn (mg/kg)	7,65	15.000
Hg (mg/kg)	< 0,05	94
Ni (mg/kg)	< 0,05	930
Se (mg/kg)	0,70	460
Sr (mg/kg)	3,80	56.000
Sn total (mg/kg)	0,30	12 ¹
Zn (mg/kg)	3,85	46.000

¹: For the total Cr and Sn, the limits shown in the "specifications" column are the specified in the standard for the Cr (VI) and Sn-organic respectively, since they are the most limiting concentrations.

Table 2.- Results.

6. CONCLUSIONS

The MDF board meets with the migration limits according to the Standard UNE-EN 71-3:2013.


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

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Date: 21th May 2014



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