

TESTING LABORATORY

Nr

051/16

Date of Edition

2016-03-01

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Applicant

BISELARTE – Sociedade de Vidros, Lda.
Zona Industrial de Oiã – Apartado 100
3770-908 – OIÃ - PORTUGAL

Date of Entry

2016-02-12

Appliance / Product Tested

Designation: Fixed luminaire - Bathroom mirror.

Manufacturer/Trademark ..: XPCS

Reference: MORA 500X650

Ratings: 230V~; 50Hz; 2 x 11W E14 Fluorescent (FBG/W-11-230-E14); IP24; ☐

Observations: ---

Nr of Samples

1

Manufacturer / Representative

BISELARTE – Sociedade de Vidros, Lda.
Zona Industrial de Oiã – Apartado 100
3770-908 – OIÃ - PORTUGAL

Standards / Reference Documents

EN 62321 (2013)

Type / Scope of Test

Tests to check compliance of used materials according to specified reference documents by X-ray fluorescent (XRF) spectrometry executed with NITON trademark equipment type reference XLt 797Y.

Test Result

The test results are described in the following pages.

Bathroom mirror family with the same components

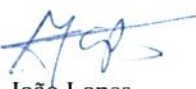
ONDA550X700;

MORA 550X700;

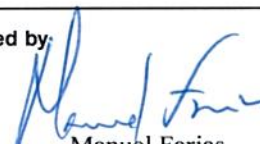
ONDA585X790;

MORA 585X790;

Test Performed by


João Lopes
(Laboratory Technical)

Approved by:

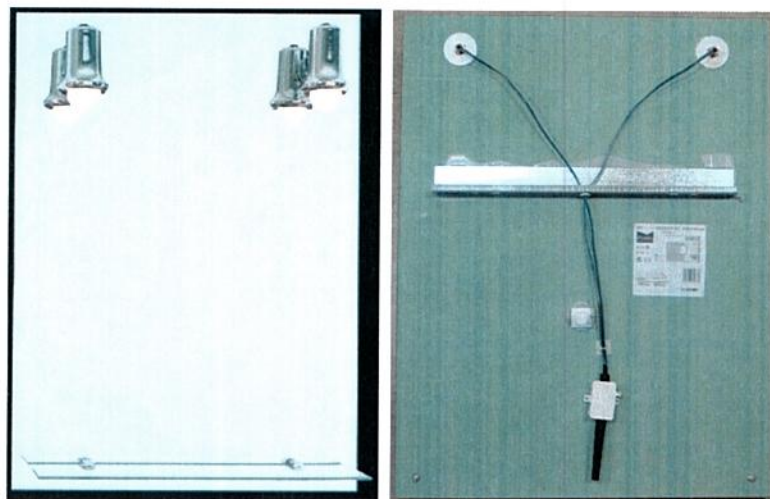

Manuel Farias
(Executive Director)

Date

2016-03-01

Date 2016-03-01

Photographs:



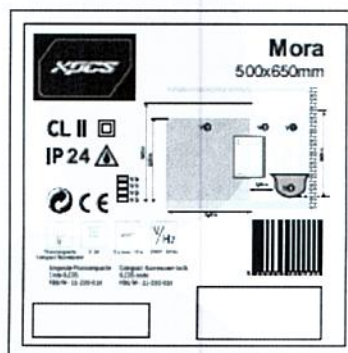
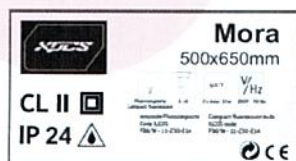
General remarks:

Throughout this report a comma is used as the decimal separator.

Test case verdicts:

- Test with non conclusive results : Inconclusive
- Test item does meet the requirement : Pass
- Test item does not meet the requirement : Fail

Marking plate:



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Measured values are as follows:

Spot

Item	Silicone membrane	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Metal rim	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Metal washer	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Plastic screw	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Metallic nut	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Plastic washer	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

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Item	housing projector	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Metal base of the projector	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Metal pipe	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Threaded pipe	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Cable gland	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Terminal Block

Item	Plastic housing	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	N/D	N/D	N/D	N/D	N/D	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

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Item	Black rubber	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	70	2	N/D	N/D	4	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Screw	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	457	N/D	N/D	N/D	N/D	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Supply cable

Item	External sheathing	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Basic insulation of conductors (brown)	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	325	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Basic insulation of conductors (blue)	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	368	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Copper	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

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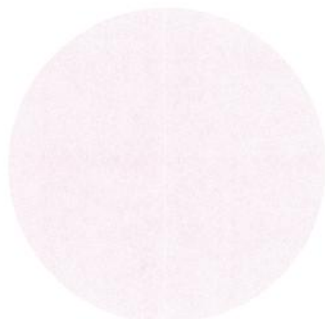
Lampholder

Item	Lamp holder body	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Terminals cover lampholder	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

Item	Contact of the lampholder	Lead (Pd)	Cadmium (Cd)	Mercury (Hg)	Chromium (Cr) (1)	Bromine (Br) (2)	Result
	Measured value (ppm)	<50	<50	<50	<50	<100	Pass
	Máximum Value (ppm) +30%	1 000	100	1 000	1 000	1 000	

- 1) Measured values represents existing total chromium.
- 2) Measured values represents the total polybrominated materials.



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