



RAPPORTO DI PROVA / TEST REPORT

NUMBER

0143\FPM\MATs\20_2

ISSUE DATE

26/02/2020

BUSINESS AREA

BA Product Conformity Assessment

LABORATORY

Materials

SPECIMEN DESCRIPTION

PMMA COLATO STILFORM

CUSTOMER

STILFORM Srl
VIA PAPA SISTO V°, 12
63039 SAN BENEDETTO DEL TRONTO (AP)

REFERENCE STANDARD

Dir. 2011/65/EC and 2015/863

GENERALITIES

- Sample receiving date: 18/02/2020
- Analysis start date: 18/02/2020
- Analysis end date: 25/02/2020
- Laboratory site: Viale Lombardia, 20/B – 20021 Bollate (MI)
- Test site: Viale Lombardia, 20/B – 20021 Bollate (MI)
- Deviation from test methods: NO

SAMPLE DESCRIPTION

- PMMA COLATO STILFORM

SAMPLING

The sampling for the test has been done drawing casually part of the sample in our possession. Sampling was carried out according to the following procedures.

Subject that performed the sampling			Sampling report	
<input type="checkbox"/>	Notified Body		Reference number	
			Date of issue	
<input type="checkbox"/>	TAB		Reference number	
			Date of issue	
<input type="checkbox"/>	CSI-CERT		Reference number	
			Date of issue	
<input checked="" type="checkbox"/>	Client		Reference number	
			Date of issue	
<input type="checkbox"/>	Other		Reference number	
			Date of issue	

DECLARATION

The test results of the present report are related exclusively to the tested sample.
 The present test report cannot be partially reproduced without the authorization of CSI managing Director.
 The uncertainties are estimated as extended uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor = 2.

PERFORMED DETERMINATIONS

RoHS: Br, HG, CD, CR, PB by XRF analysis

2011/65/CE

Analysis of Cadmium, Bromine, Chromium, Lead and Mercury by XRF after liquid nitrogen sample grinding or powdering. In case of peaks areas higher than the stated limit of detection, a quantification by ICP-OES or GC-MS (only for brominated compounds) will be performed.

The test was done on TOP COAT and BACK COAT.

MDL: 0,01%

RoHS: PHTHALATES by GC-MS analysis

MI_789202229_2017_Rev.0

Determination of Phthalates as reported on EN 62321-8:2017, by gas chromatography-mass spectrometry technique. The phthalates identified and quantified are: Bis (2-ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate (DIBP).

MDL: 0,001 %

Limit as reported on Dir. 2011/65/EU and (EU) 2015/863

Compound or Element	Limit
Cadmium (Cd)	0.01 %
Lead (Pb)	0.1%
Mercury (Hg)	0.1%
Hexavalent Chromium (Cr VI)	0.1%
PBBs	0.1%
PBDEs	0.1%
DEHP	0.1%
BBP	0.1%
DBP	0.1%
DIBP	0.1%

PBBs: Monobromobiphenyl, Dibromobiphenyl, Tribromobiphenyl, Tetrabromobiphenyl, Pentabromobiphenyl, Hexabromobiphenyl, Heptabromobiphenyl, Octabromobiphenyl, Nonabromobiphenyl, Decabromobiphenyl.

PBDEs: Monobromobiphenyl ether, Dibromobiphenyl ether, Tribromobiphenyl ether, Tetrabromobiphenyl ether, Pentabromobiphenyl ether, Hexabromobiphenyl ether, Heptabromobiphenyl ether, Octabromobiphenyl ether, Nonabromobiphenyl ether, Decabromobiphenyl ether

RESULTS

PMMA COLATO STILFORM			
	Value	MDL	Limit
	(%)	(%)	(%)
Cadmium (Cd)	ND	0,01	0,01
Lead (Pb)	ND	0,01	0,1
Mercury (Hg)	ND	0,01	0,1
Hexavalent Chromium (Cr VI)	ND	0,01	0,1
PBBs	ND	0,01	0,1
PBDEs	ND	0,01	0,1

PMMA COLATO STILFORM			
	Value	MDL	Limit
	(%)	(%)	(%)
DEHP	ND	0,001	0,1
BBP	ND	0,001	0,1
DBP	ND	0,001	0,1
DIBP	ND	0,001	0,1

ND: Not Detected

MDL: Method Detection Limit

DATA
Date

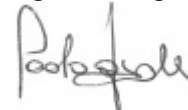
26/02/2020

**Operating Sector Food Packaging
Materials**
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Alberto Taffurelli



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Ing. P. Fumagalli



The document is digitally signed in accordance with Legislative Decree n. 82/2005 as amended and replaces the paper document and the handwritten signature.