

DIVISIONE:
 DIVISION: **TESTING-CERTIFICAZIONE**

 LABORATORIO:
 LABORATORY: **Materiali**

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N°	0757\FPMMATs\18_2	Data: 29/08/2018
		Date:

 IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE:
 SPECIMEN DESCRIPTION:

PROFILO ILPEA AGOSTO 2018

 DATI IDENTIFICATIVI DEL CLIENTE:
 CLIENT:

INDUSTRIE ILPEA SPA
 VIALE INDUSTRIA, 887
 21020 MALGESSO (VA)

 NORMA DI RIFERIMENTO:
 REFERENCE STANDARD:

DISTRIBUZIONE ESTERNA: OUTSIDE DISTRIBUTION: <p style="text-align: center;">INDUSTRIE ILPEA SPA</p>	DISTRIBUZIONE INTERNA: INSIDE DISTRIBUTION: <p style="text-align: center;">Copy : Head of Division</p>
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 ENTE DI ACCREDITAMENTO:
 ACCREDITATION BODY:

Mod.37 - Rev.8 - Società a Socio Unico soggetto ad attività di direzione e coordinamento di IMQ spa



RAPPORTO DI PROVA
(Test Report)

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N° 0757\FPMMATs\18_2

Data: 29/08/2018
Date:

GENERALITIES

- Sample receiving date: 13/08/2018
- Analysis start date: 22/08/2018
- Analysis end date: 28/08/2018

- Deviation from test methods: NO

SAMPLE DESCRIPTION

PROFILO ILPEA AGOSTO 2018

SAMPLING

The initial sampling has been done by the customer.

The sampling for the test has been done drawing casually part of the sample in our possession.

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

Analysis of Bromine, Cadmium, 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.

LOD: 5-20 mg/kg

Limits according to 2011/65/EC

Compound or element	limit	Note
Cadmium (Cd)	0.01 %	For copper alloys is permitted a concentration of 4%. for aluminum alloys is allowed a concentration of 0.4% for steels it is allowed a concentration 0.35%.
Lead (Pb)	0.1% ^(**)	
Mercury (Hg)	0.1%	
Chromium (Cr VI)	0.1%	
PBBs	0.1%	
PBDEs (DecaBDE included)	0.1%	

The identification and quantification of PBBs and PBDEs was done by GC – MS SIM acquisition, after extraction with solvent, concentration and injection. An external calibration with certificate standard was done in the same conditions.

LOD: 10 mg/kg



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RESULTS

ROHS: Br, Hg, Cd, Cr, Pb BY XRF ANALYSIS

PROFILO ILPEA AGOSTO 2018		
	Value (%)	Limit ⁽¹⁾ (%)
Cadmium (Cd)	<LOD	0.01
Lead (Pb)	<LOD	0.1
Mercury (Hg)	<LOD	0.1
Chromium (Cr)	<LOD	0.1
Bromine (Br) ⁽²⁾ ⁽³⁾	<LOD	0.1

⁽¹⁾ Refer to Annex III of the 2011/65/EU directive for applications exempted from the restriction in Article 4(1)

⁽²⁾ Polybrominated bihenyls

⁽³⁾ Polybrominated diphenyl ethers

DATA
Date

Settore Food Packaging Materials
Food Packaging Materials Sector

B. U. Prodotto
B. U. Product

29/08/2018

Alberto Taffurelli

Ing. P. Fumagalli

Documento firmato digitalmente ai sensi del D. Lgs. N. 82 del 7 Marzo 2005 e successive modifiche