

DIVISIONE: **FOOD PACKAGING MATERIALS** LABORATORIO: **MATERIALI**
 DIVISION: **FOOD PACKAGING MATERIALS** LABORATORY:

RAPPORTO DI PROVA <i>(Test Report)</i>		Pag. 1
		di/of 4
		pag. 4
N°	0390\FPM\MATs\15_2	Data: 26/05/2015
		Date:

IDENTIFICAZIONE E DESCRIZIONE DEL CAMPIONE:
SPECIMEN DESCRIPTION:

OR 9.75 X 1.85, 693/72 NBR-NSF/70.nr - BATCH:P14A1392-31.1 30.0694

DATI IDENTIFICATIVI DEL CLIENTE:
CLIENT:

ARGO DI T.M. FUMAGALLI S.P.A.
 VIA PORDOI, 5
 20021 BARANZATE (MI)

NORMA DI RIFERIMENTO:
REFERENCE STANDARD:

CSI INTERNAL METHOD

DISTRIBUZIONE ESTERNA: <i>OUTSIDE DISTRIBUTION:</i> <p style="text-align: center;">ARGO DI T.M. FUMAGALLI S.P.A.</p>	DISTRIBUZIONE INTERNA: <i>INSIDE DISTRIBUTION:</i> <p style="text-align: center;">Copy to Division Head</p>
---	---

ENTE DI ACCREDITAMENTO:
ACCREDITATION BODY:

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



GENERALITIES

- Sample receiving date: 17/04/2015
- Analysis start date: 04/05/2015
- Analysis end date: 20/05/2015
- Deviation from test methods: NO

SAMPLE DESCRIPTION

OR 9.75 X 1.85, 693/72 NBR-NSF/70.nr - BATCH:P14A1392-31.1 30.0694

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

1) DETERMINATION OF THE CONTENT OF BISPHENOL A (CAS 80-05-7)

Determination the content of Bisphenol A (CAS 80-05-7) in the tested material after extraction from the sample and subsequent analysis by LCMSMS.
The quantification has been carried out by an external calibration of Bisphenol A (CAS 80-05-7) in the same extraction solvent.
LOD: 0.05 mg/kg

2) DETERMINATION OF PHTHALATES

A note amount of sample was extracted with solvent with internal standard in microwave. The solution was concentrated and analysed by gas-cromatography (GC – FID and GC – MS) technique for the determination of phthalate.
L.R. = 10 mg/kg

3) HEAD SPACE GC-MS ANALYSIS: IDENTIFICATION AND QUANTIFICATION OF FORMALDEHYDE

A weighted amount of sample has been put into glass vials with hermetical closures. The vials have been conditioned at 125°C for 30 minutes. At the end of the conditioning about 1 cc of the free space has been taken automatically from the vial and injected HP 6890 gas-chromatograph connected with the HP 5973 mass-spectrometer.

An external calibration with a FORMALDEHYDE solution has been done.

LOD = 0.5 mg/kg

RESULTS

1) DETERMINATION OF THE CONTENT OF BISPHENOL A (CAS 80-05-7)

OR 9.75 X 1.85, 693/72 NBR-NSF/70.nr - BATCH:P14A1392-31.1 30.0694	
Measured unit: mg/kg	
Average value	Extended uncertainty
<0.05	--

2) DETERMINATION OF PHTHALATES

TEST	OR 9.75 X 1.85, 693/72 NBR-NSF/70.nr – BATCH:P14A1392-31.1 30.0694
PHTHALATES (*)	< 10 mg/kg

(*) BBP, DEHP, DBP, DIBP, DINP, DNOP, DIDP.



RAPPORTO DI PROVA
(Test Report)

Pag. 4
di/of
pag. 4

N° 0390\FPMMATs\15_2

Data: 26/05/2015
Date:

3) HEAD SPACE GC-MS ANALYSIS: IDENTIFICATION AND QUANTIFICATION OF FORMALDEHYDE

OR 9.75 X 1.85, 693/72 NBR-NSF/70.nr - BATCH:P14A1392-31.1 30.0694

Measured unit: [mg/kg]

RT (min)	COMPOUNDS	Concentration	Standard Deviation
2,63	FORMALDEHYDE	<0.5	---

Date
26/05/2015

Division Head
Alberto Taffurelli

Managing Director
Raoul Gatti