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Certified services		
Tested Materials/Products	Types of test/Properties measured	Applied methods/Techniques used
Materials in contact with foodstuffs- Plastics	1. Overall migration into aqueous simulants (A, B,C) and simulant D1 (50% ethanol) by total immersion	EN 1186-3:2002
	2. Overall migration into aqueous simulants (A, B,C) and simulant D1 (50% ethanol) by article filling	EN 1186-9:2002
	3. Overall migration into aqueous simulants (A, B,C) and simulant D1 (50% ethanol) using a pouch	EN 1186-7:2002
	4. Overall migration into aqueous simulants (A, B,C) and simulant D1 (50% ethanol) by cell	EN 1186-5:2002
	5. Overall migration into simulant D2 (vegetable oil) by total immersion	In house method O.626 based on EN 1186-2:2002
	6. Overall migration into simulant D2 (vegetable oil) by article	EN 1186-8:2002

	filling	
	7. Overall migration into simulant D2 (vegetable oil) using a pouch	In house method O.627 based on EN 1186-6:2002
	8. Overall migration into simulant D2 (vegetable oil) by cell	In house method O.633 based on EN 1186-4:2002
	9. Overall migration using simulant E (adsorption by poly(2,6-diphenyl-p-phenylene oxide)- Tenax®)	In house method O.125 based on EN 1186-13 B:2002 & EN 14338:2003
	10. Specific migration of Primary Aromatic Amines into aqueous simulants (A, B,C)	BVL L 00.00-6
	11. Specific migration of Bisphenol A into aqueous simulants (A, B,C) and simulant D ₁ (50% ethanol) and simulant D ₂ (vegetable oil)	In house method O.634/HPLC-FLD
Materials in contact with foodstuffs- Paper and board	1. Determination of Pentachlorophenol	In house method O.635 based on ISO 15320:2011
	2. Determination of Cadmium	In house method O.518 atomic absorption hydride technique
	3. Determination of Lead	In house method O.518 atomic absorption hydride technique
	4. Determination of Mercury	In house method O.519 atomic absorption hydride technique

CHIMAR HELLAS S.A

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Wood-based panels	Determination of formaldehyde content - Extraction method called the perforator method	ELOT EN 120:1993
Wood-based panels	Determination of formaldehyde release- Formaldehyde release by the gas analysis method	ELOT EN 717-2:1995
Wood-based panels	Determination of moisture content	ELOT EN 322q1994

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Ceramic articles intended to come into contact with foodstuffs	1. Determination of cadmium migration	<i>Laboratory method code: WP.M.043</i> In house method based on <i>APHA</i> * 3500-Cd-B and on the article 25 of C.A. / Atomic Absorption - Flame
	2. Determination of lead migration	<i>Laboratory method code: WP.M.049</i> In house method based on <i>APHA</i> * 3500-Pb-B and on the article 25 of C.A. / Atomic Absorption - Flame

ARAL Co Ltd

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Glass hollow ware and Ceramic ware	Determination of the release of lead and cadmium	Internal method based on ISO 7086-1 and method of Greek Food Code (art.25) by AAS

MIRTEC S.A

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Materials and articles in contact with foodstuffs	Silicate surfaces – Part 1: Determination of the release of lead and cadmium from ceramic ware	ELOT EN 1388-1:1995 ASTM C738:2011 ASTM C927:2011
Raw material or filings of final products (PE), (PP), (PS).	Determination of melt flow index (MFI).	ELOT EN ISO 1133:2011 ELOT EN 12201-2 +A1:2011 ELOT EN 12201-3 +A1:2012

Samples (U-PVC), (PE), (PP), (PB).	Determination of softening temperature VICAT.	EN ISO 306 E3:2013 ISO 2507-1:1995 ELOT EN 727:1995 EAOT EN 1401.01 E2:2009 EAOT EN 1566.01:2001 EAOT EN 1329-1 E2:1999 EAOT EN ISO 1452.02:2011
Plastics, Toys, Textile materials and products	Determination of selected organotin compounds	In house method based on ELOT EN ISO 17353: 2005
Fabrics, dyes and coatings, etc	Detection and Determination of Lead and Cadmium by Graphite Furnace Atomic Absorption Spectrometry (GFAAS) Techniques (microwave oven digestion)	In-house method based on ASTM E 1613-04 & ASTM E 1645-01 (2007), according to 16CFR Part 1303, CPSC-CH-E1003-09.1 and CPSC-CH-E1002-08.1

Spectrum labs

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Welds, metallic and cast materials	Magnetic particle inspection (YOKE).	ASME V: 2013, EN ISO 17638: 2009, EAOT EN 10228-1: 1999, BS EN 1369: 2012
	Liquid penetrant inspection.	BS EN 3452-1: 2013 ASME V: 2013, EAOT EN 10228-2: 1998, BS EN 1371-1: 2011
Welds, metallic and cast materials (cont)	Ultrasonic inspection.	EN ISO 17640: 2010, ASME V: 2013, EAOT EN 10228-3:1998, EAOT EN 10160: 1999, BS EN 14127: 2011
	Radiographic inspection (Sources: Ir-192, Se 75 and X-Rays)	EN ISO 17636-1:2013, ASME V: 2013

Welds, metallic materials	Visual examination for imperfections and dimensions.	ASME V: 2013, EN ISO 17637: 2011
Welds, metallic materials	Tensile test (Proof Strength not included).	EN ISO 6892-1: 2009, EAOT EN ISO 15614-1: 2004 & EAOT EN ISO 15614-1/A2: 2012 EN ISO 4136: 2012
	Hardness test according to the Vickers method.	EAOT EN ISO 6507-1 E2: 2006 (HV-10, HV-30), EN ISO 9015-1:2011
	Bend test.	EN ISO 5173: 2010, EN ISO 5173/A1:2012
	Impact test according to the Charpy method	EN ISO 9016: 2012
Steel materials	In situ measurement of surface hardness	ASTM A 956: 2012
Welds, metallic and cast materials	Macroscopic and microscopic examination	ISO 17639: 2003, ISO 6520-1:2007, ASTM E1351-01(2012)
Reinforced plastic composites	Determination of tensile properties	EAOT EN ISO 527-1: 2012 EAOT EN ISO 527-4: 1999
	Determination of flexural properties	EAOT EN ISO 14125: 1998, + A1:2011, ISO 178: 2010

	Determination of the textile glass and mineral fillet content	EAOT EN ISO 1172: 1998
THIN PLASTIC FILMS- PLASTIC CARRIER BAGS	Tensile Test / Strength – Elongation	ASTM D 882
	Elmendorff Tear Test/ Tear upon impact	ASTM D 1922
	Dart Drop Test/ Pearing upon impact	ASTM D 1709

HellasChem

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
5. Plastic materials and articles in contact with foodstuffs	1. Determination of overall migration into aqueous food stimulants (A,B,C) and stimulant D1 (50% ethanol), with total immersion	ELOT EN 1186-1/2002 ELOT EN 1186-3/2002 by Gravimetry

General chemical state laboratory, B' chemical division Athens

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Certified services		
Tested Materials/Products	Tested Materials/Products	Tested Materials/Products
Plastics	1. Determination of total cadmium in plastics	Method code 13 02 KAD 01 In house validated method, FAAS*
	2. Identification of phthalate esters in PVC articles	Method code 13 02 PTH 01 In house validated method, HPLC
	3. Identification and quantification of Di[2-ethylhexyl]phthalate in PVC materials	Method code 13 04 DEHP_1 In house validated method, GC-MS
Paper and paperboard	1. Determination of paper and paperboard ash on ignition at 900 ^o C	Method code 13 02 04 ISO 2144: 2015 ISO 287:2009 ISO 638:2008

	2. Determination of pH of aqueous extracts- Part 1 : Cold extraction	Method code 13 02 07 ISO 6588-1:2012 ISO 186:2002
Paper and paperboard	1. Determination of thickness of single sheets of paper and paper board	Method code 13 02 02 Modified method based on standard ELOT EN ISO 534: 2012 and ISO 187: 1990
	2. Determination of tensile strength of paper and paperboard	Method code 13 02 03 Modified method based on standard ISO 1924- 2:2008 and ISO 187:1990
	3. Determination of smoothness (Bekk) of paper and paper board	Method code 13 02 05, Modified method based on standard ISO 5627:1995, ISO 187:1990
	4. Determination of roughness/smoothness (air leak method) of paper and paper board	Method code 13 02 06, Modified method based on standard ISO 8791-2: 2013 and ISO 187:1990
Materials and articles intended to come into contact with food.	1. Determination of Overall Migration from plastics intended to come in contact with food, into volatile food stimulants, by Gravimetry.	Method Code: OM-GRAV Documented in-house method, based on European standards: A. EAOT EN 1186-1/2002, by Gravimetry B. EAOT EN 1186-3/2002, by Gravimetry Γ. EAOT EN 1186-5/2002, by Gravimetry Δ. EAOT EN 1186-9/2002, by Gravimetry E. EAOT EN 1186-14/2002, by Gravimetry ΣΤ. EAOT EN 1186-15/2002, by Gravimetry
	2. Determination of Overall Migration from plastics, intended to come into contact with food, into food simulant D ₂ (vegetable oil)	Method Code: OM10 Documented in-house method based on European standards: ELOT EN 1186-2:2002 EAOT EN ISO 1186-8/2002 EAOT EN ISO 1186-13/2002 by Gravimetry/Gas Chromatography

	3. Determination of the concentration of DEHA and DEHP into plastics from PVC.	Method Code: EM1 Documented in-house method based on J. of Chromatography (1987), 387 509-514, by Gas Chromatography
	4. Determination of Specific Migration of DEHA and DEHP from plastics into isooctane	Method Code: EM2 Documented in-house method based on J. of Chromatography (1997), 387 509-514, by Gas Chromatography
	5. Determination of Specific Migration of DEHA and DEHP from plastic films into refined olive oil	Method Code: EM3 Documented in-house method based on J. of Chromatography (1987), 387 509-514, by Gas Chromatography
	6. Semi-quantitative estimation of specific migration from plastics.	Method Code: EM4 Documented in-house method based on CEN TC194/SC1/WG2: N 118, D. van Battum and J.B.H. van Lierop, by Gas Chromatography.
	7. Determination of Specific Migration of 2,2 Bis(4-Hydroxyphenyl) propane in food simulants.	Method Code: EM11 Documented in-house method based on BCR, MAT1-CT92-0006 final report: Annex 1, by HPLC - UV-Vis <i>or</i> FLD
	8. Determination of specific migration of formaldehyde and hexamethylenetetramine, into food simulant B, acetic acid 3% (w/v), by Spectrophotometry UV-VIS.	Method Code: EM15 Documented in-house method based on CEN/TS 13130-23:2005 Materials and articles in contact with foodstuffs- Plastics substances subject to limitation- Part 23: Determination of formaldehyde and hexamethylenetetramine in food simulants. Spectrophotometry UV-VIS

	<p>9. Determination of specific migration of melamine into food simulant B, acetic acid 3% (w/v), by HPLC-DAD.</p>	<p>Method Code: EM16 Documented in-house method based on CEN/TS 13130-27:2005 Materials and articles in contact with foodstuffs- Plastics substances subject to limitation- Part 27: Determination of 2,4,6-triamino-1,3,5-triazine in food simulants. Liquide Chromatography, HPLC-DAD</p>
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