



**ICP Test Report Certification Packet**

Company name: Littelfuse, Inc.

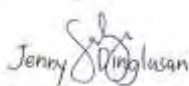
Product Series: Midget Fuse

Product #: KLKR Series

Issue Date: August 25, 2010

It is hereby certified by Littelfuse, Inc. that there is neither RoHS (EU Directive 2002/95/EC)-restricted substance nor such use, for materials to be used for unit parts, for packing/package materials, and for additives and the like in the manufacturing processes.

In addition, it is hereby reported to you that the parts and sub-materials, the materials to be used for unit parts, the packing/package materials, and the additives and the like in the manufacturing processes, are all composed of the following components.

Issued by:   
\_\_\_\_\_  
<Global EHS Coordinator>

(1) Parts, sub-materials and unit parts

This document covers the CCMR-Fuse with Cap/Lead RoHS-Compliant series products manufactured by Littelfuse, Inc.

< Raw Materials Used  
Please see Table 1

(2) The ICP data on all measurable substances

Please see appropriate pages as identified in Table 1

Remarks :
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**Table 1: List of Raw Materials covered by this report**

<b>Total Parts</b>	<b>Raw Material Part Number</b>	<b>Raw Material Description</b>	<b>Page(s)</b>
1	083-080	Cap	3-15
2	927-293	Solder	3-15
3	882-363-001	Brass Disc	3-15
4	692535	Solder	3-15
5	090169	Filler-Silica Sand	3-15
6	082xxx-001	Element – 99% Cu Sn plated (082201-001)	16-19
7	685xxx	Element-Pure Ag	20-27
8	909-5x (039145)	Body Melamine	28-35
9	082394	55% Cu 45% Ni	36-40
10	090190	Filler	41-56
11	082xxx	Element-5% by weight Ag Clad Cu (082342)	57-73
12	901-182	Rubber	57-73
13	082xxx	Element- Ag plated Cu (082363)	74-80
14	692264	Solder Overlay	81-86

**RESULTS REPORT****INTERTEK TESTING SERVICES****DE MEXICO SA DE CV****LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.

Blvd. Fausto Z Mtz. 1800, Col. Magisterio Secc. 38, Piedras  
Negras, Coahuila, C.P. 26070

ATTENTION: Ing. Mario Alberto Falcón

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1ª. Emisión Junio 2005, 1ª Revisión Junio 26, 2009.

ILTA/003/GENS-F8

**Intertek Testing Services de México, S.A. de C.V.**Blvd. Manuel Ávila Camacho No. 182 Col. Lomas de Chapultepec  
C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863[www.intertek.com](http://www.intertek.com)

001



Report No.: MX10-0726-MOD – Serie KLTR  
Date : 2010-05-07

### TEST REPORT

#### APPLICANT

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z Mtz. 1800, Col. Magisterio Secc. 38, Piedras Negras, Coahuila, C.P. 26070  
Ing. Mario Alberto Falcón

#### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description	NP
	19) Serie KLTR Element 082649
	20) Serie KLTR Cap 923-080
	21) Serie KLTR Rejection Cap 923-088
	22) Serie KLTR Element 082149
Item No.	23) Serie KLTR Cap Solder 927-293
	24) Serie KLTR Disc 882-363-001
	25) Serie KLTR Solder 692532
	26) Serie KLTR/FLQ Element 082384
	27) Serie KLTR Filler silica 090169

Country of Origin	NP
Buyer's Name	NP
Supplier's Name	NP
Date sample received	2010-03-25
Testing period	2010-03-29 to 2010-04-23

\*\*\*\*\*

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002



Report No.: MX10-0726-MOD – Serie KLCDR  
Date : 2010-05-07

**TEST CONDUCTED**

As requested by the applicant, for details please refer to attached pages.

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**CONCLUSION**

Testing item	Conclusion	Failed component	Failed result
Serie KLCDR Element 082649	Pass See Result summary	---	---
Serie KLCDR Cap 923-080	Pass See Result summary	---	---
Serie KLCDR Rejection Cap 923-088	failed See Result summary	Cadmium Lead	2284 mg/kg 12380,0 mg/kg
Serie KLCDR Element 082149	Pass See Result summary	---	---
Serie KLCDR Cap Solder 927-293	Pass See Result summary	---	---
Serie KLCDR Disc 882-363-001	Pass See Result summary	---	---
Serie KLCDR Solder 692532	Pass See Result summary	---	---
Serie KLCDR/FLQ Element 082384	Pass See Result summary	---	---
Serie KLCDR Filler silica 090169	Pass See Result summary	---	---

\*\*\*\*\*

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003



**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 19) Serie KLDL Element 082649
- 20) Serie KLDL Cap 923-080
- 21) Serie KLDL Rejection Cap 923-088
- 22) Serie KLDL Element 082149
- 23) Serie KLDL Cap Solder 927-293
- 24) Serie KLDL Disc 882-363-001
- 25) Serie KLDL Solder 692532
- 26) Serie KLDL/FLQ Element 082384
- 27) Serie KLDL Filler silica 090169

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit
	(19)	(20)	(21)	(22)	
Cadmium (Cd) content	ND	ND	2284,0	ND	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	ND	1,106	12380,0	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)

TESTING ITEM	Ω RESULT (ppm)			Limit
	(23)	(24)	(25)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Mercury (Hg) content	0,0776	0,2297	ND	0,1% (1000 ppm)
Lead (Pb) content	212,2	65,24	142,2	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)

TESTING ITEM	Ω RESULT (ppm)		Limit
	(26)	(27)	
Cadmium (Cd) content	ND	ND	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	0,1% (1000 ppm)

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Report No.: MX10-0726-MOD – Serie KLDR  
Date : 2010-05-07

ppm = parts per million based on dry weight of sample.  
 $\mu\text{g}/\text{cm}^2$  = microgram per square centimeter.  
 $\text{mg}/\text{kg WITH } 50\text{cm}^2$  = milligram per kilogram with 50 square centimeter.  
< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA  $\Omega$ .

Prepared and checked by :

For Intertek

*Vron Lopez del  
Cord-de-ano*

Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE : DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-19 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-20 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-21 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-22 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-23 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-24 WERE TESTED TOGETHER.



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005

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Report No.: MX10-0726-MOD – Serie KLTR  
Date : 2010-05-07

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 726-25 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 726-26 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 726-27 WERE TESTED TOGETHER.

**Test method :**

<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	QHU2009-3p63	2010-04-06	MELAJLHS, MTCM	2,0

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	9,80
20	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	2,34
21	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	1,81
22	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	7,25
23	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,33
24	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	10,00
25	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,93
26	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,06
27	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	7,81

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ILTA/003/GENS-F8

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006





Report No.: MX10-0726-MOD – Serie KLDR  
 Date : 2010-05-07

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,961
20	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	0,467
21	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	0,362
22	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,449
23	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,66
24	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	2,00
25	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,785
26	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	1,612
27	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	1,562

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<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0806
20	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0235
21	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0183
22	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0806
23	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0769
24	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0820
25	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0833
26	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0833
27	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0833

\*\*\*\*\*

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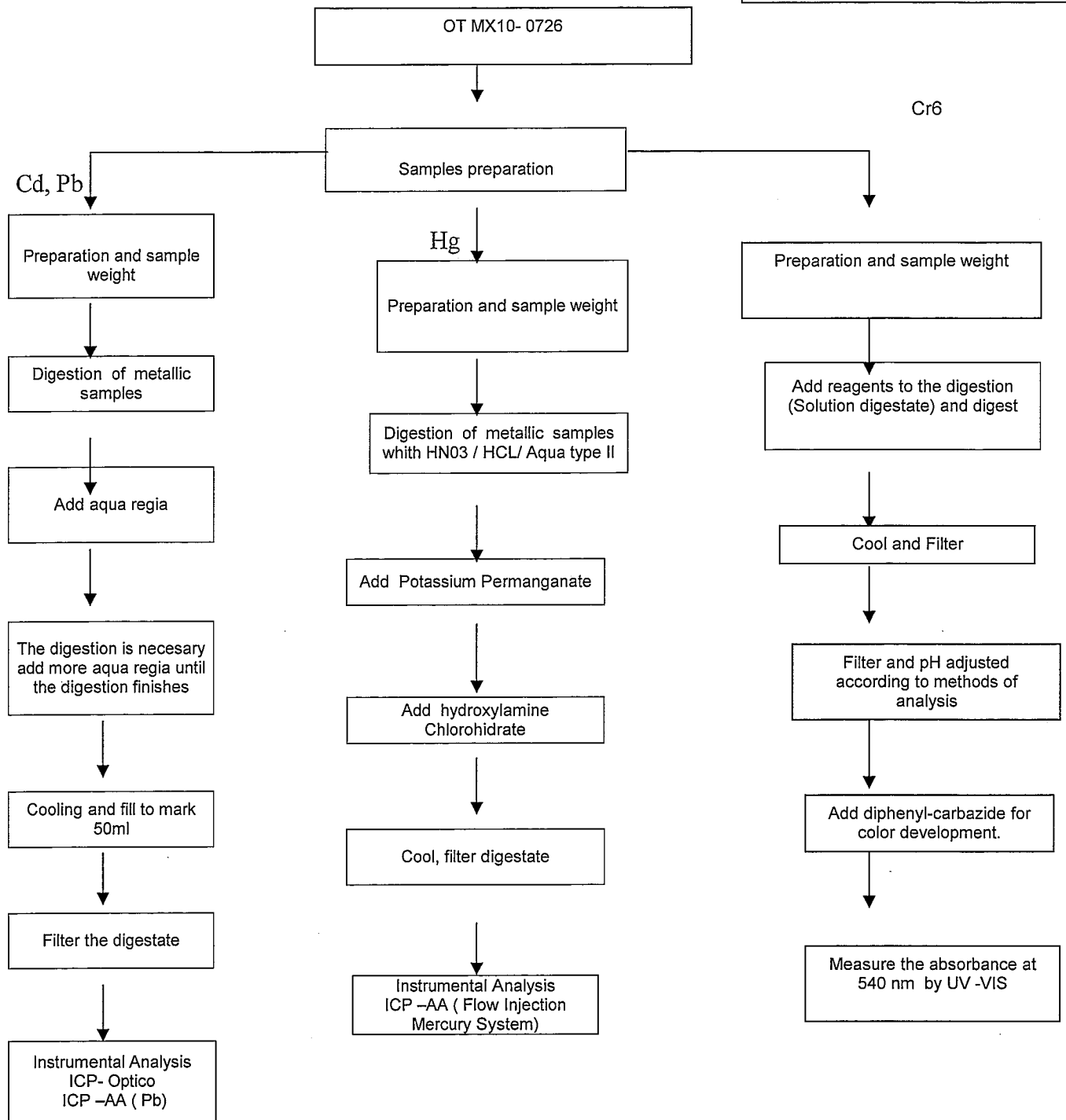
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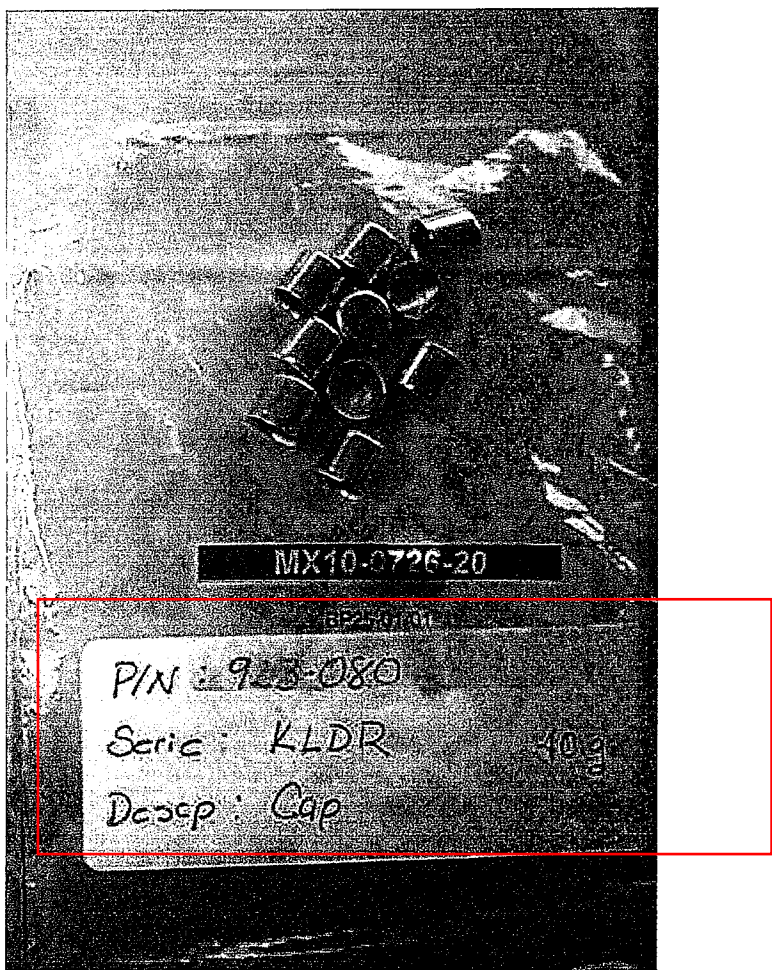
**Intertek Testing Services de México, S.A. de C.V.**

Bldv. Manuel Ávila Camacho No. 182 Col. Lomas de Chapultepec

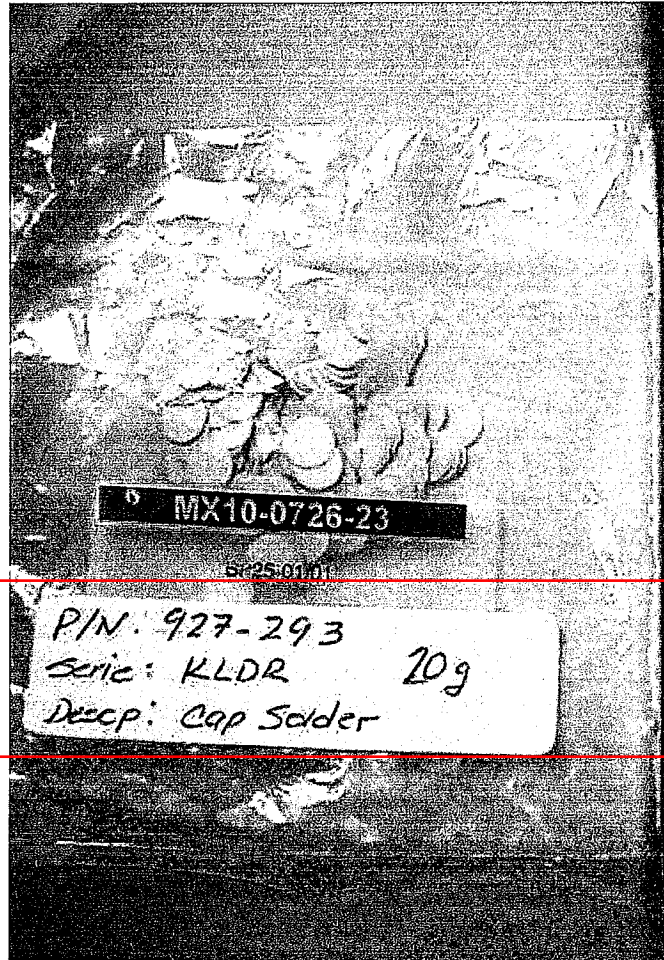
C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863

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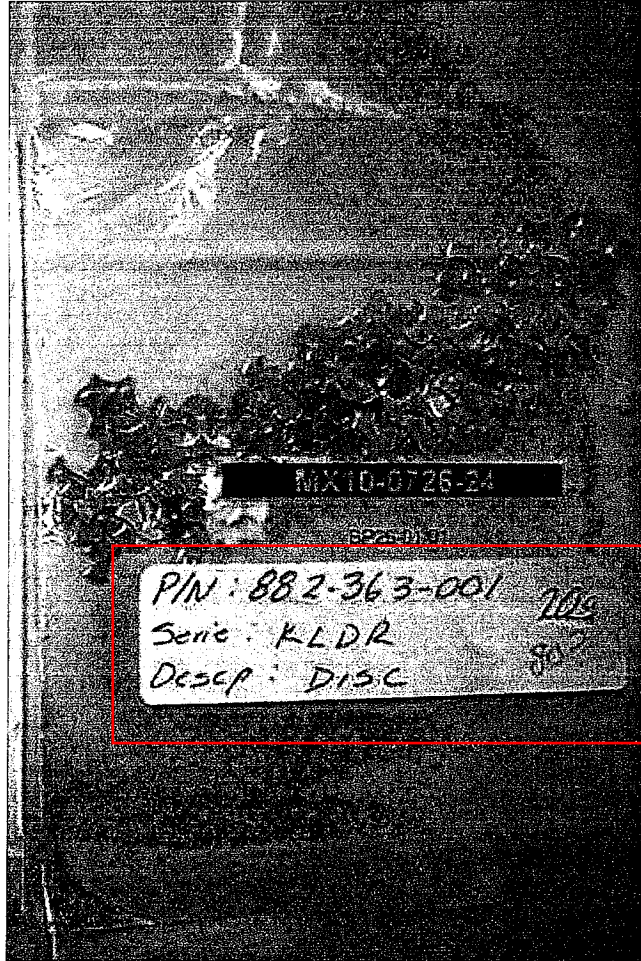
**MX10-0726-20**



**MX10-0726-23**

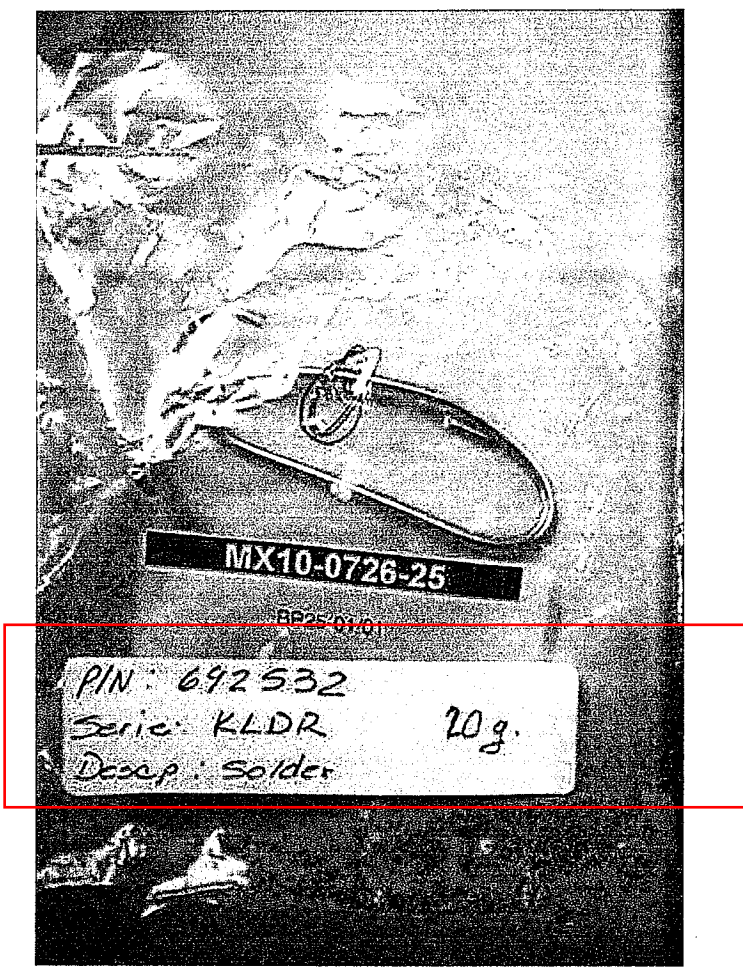


**MX10-0726-24**

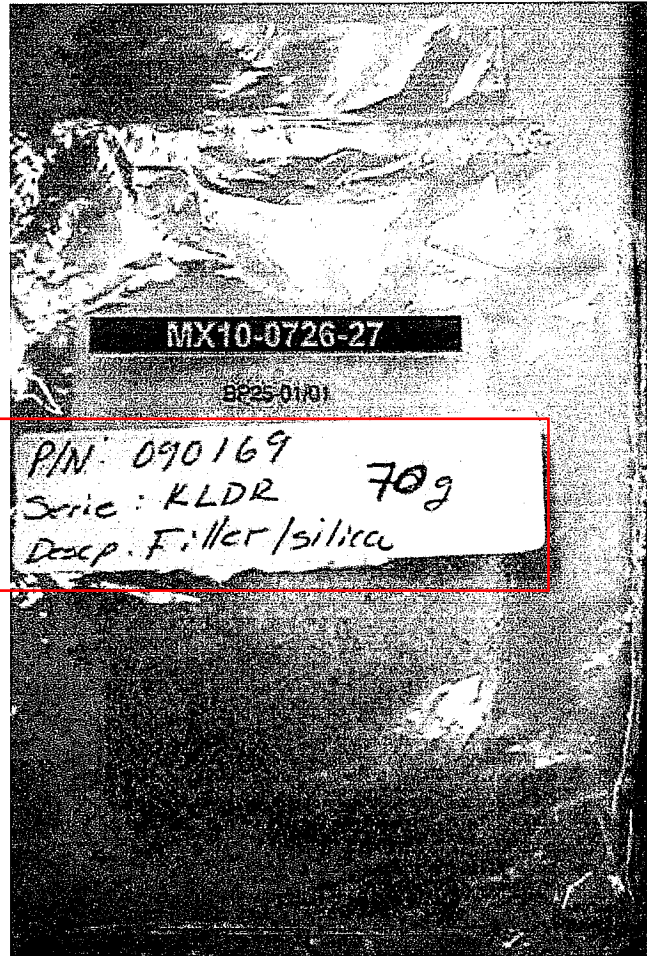




**MX10-0726-25**



**MX10-0726-27**



**RESULTS REPORT**  
**INTERTEK TESTING SERVICES**  
**DE MEXICO SA DE CV**  
**LABORATORIO CD. DE MEXICO**

DELIVER TO:

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Bvd. Fausto Z. Martínez 1800, Col. Magisterio Sección 38,  
Piedras Negras, Coahuila

ATTENTION: Ing. Mario Falcón / Ing. Manuel Berain





Report No.: MX10-1742  
Date : 2010-08-16

### TEST REPORT

#### APPLICANT

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z. Martínez 1800, Col. Magisterio Sección 38, Piedras Negras, Coahuila  
Ing. Mario Falcón / Ing. Manuel Berain

#### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description      Serie FLQ  
   1) N.P. 648102  
Item No.                            2) N.P. 082201-001

Country of Origin      NP  
Buyer's Name            NP  
Supplier's Name        NP  
Date sample received 2010-08-12  
Testing period         2010-08-13 to 2010-08-16

\*\*\*\*\*

#### TEST CONDUCTED

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

#### CONCLUSION

<u>Sample Number</u>	<u>Testing item</u>	<u>Conclusion</u>	<u>Failed component</u>	<u>Failed result</u>
1	N.P. 648102	Pass See Result summary	---	---
2	N.P. 082201-001	Pass See Result summary	---	---

\*\*\*\*\*

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ILTA/003/GENS-F8



Report No.: MX10-1742  
Date : 2010-08-16

**TEST CONDUCTED**

Sample :

- 1) N.P. 648102
- 2) N.P. 082201-001

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)		Limit
	(1)	(2)	
Cadmium (Cd) content	ND	ND	0,01% (100 ppm)
Lead (Pb) content	13,33	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	0,096	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	0,1% (1000 ppm)

ppm = parts per million based on dry weight of sample.

µg/cm<sup>2</sup> = microgram per square centimeter.

mg/kg WITH 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter.

< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA Ω.

Prepared and checked by :  
For Intertek

Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1742-1 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1742-2 WERE TESTED TOGETHER.

**Test method :**

<u>Sample Number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1,2	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	QHU2009-3p168	2010-08-14	JLHS,MLG	2,0

<u>Sample Number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Lead (Pb) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p50	2010-08-16	DCL,JMR	5,0
2	Lead (Pb) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p51	2010-08-16	DCL,JMR	5,0

<u>Sample Number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Cadmium (Cd) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p50	2010-08-16	DCL,JMR	2,0
2	Cadmium (Cd) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p51	2010-08-16	DCL,JMR	2,0

<u>Sample Number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p37,38	2010-08-16	JAPM	0,083
2	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p37,38	2010-08-16	JAPM	0,083

**RESULTS REPORT**

**INTERTEK TESTING SERVICES**

**DE MEXICO SA DE CV**

**LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z. Martínez 1800, Col. Magisterio Sección 38,  
Piedras Negras, Coahuila

ATTENTION: Ing. Mario Falcón / Ing. Manuel Berain

## TEST REPORT

### APPLICANT

Littelfuse, S.A. de C.V.  
 Blvd. Fausto Z. Martínez 1800, Col. Magisterio Sección 38, Piedras Negras, Coahuila  
 Ing. Mario Falcón / Ing. Manuel Berain

### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description      Serie APT  
    1) N.P. 924-145  
    2) N.P. 080697  
 Item No.                            3) N.P. 685406  
    4) N.P. 900-143

Country of Origin      NP  
 Buyer's Name            NP  
 Supplier's Name        NP  
 Date sample received 2010-07-26  
 Testing period          2010-07-29 to 2010-08-09

\*\*\*\*\*

### TEST CONDUCTED

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

### CONCLUSION

Sample Number	Testing item	Conclusion	Failed component	Failed result
1	N.P. 924-145	Pass See Result summary	---	---
2	N.P. 080697	Pass See Result summary	---	---
3	N.P. 685406	Pass See Result summary	---	---
4	N.P. 900-143	Pass See Result summary	---	---

\*\*\*\*\*

## TEST CONDUCTED

One (1) group of submitted samples said to be :

- 1) N.P. 924-145
- 2) N.P. 080697
- 3) N.P. 685406
- 4) N.P. 900-143

## TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	Ω RESULT (ppm)				Limit
	(1)	(2)	(3)	(4)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	199,5	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs) Total</b>	---	---	---	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	---	---	---	ND	---
Dibromobiphenyl (DiBB)	---	---	---	ND	---
Tribromobiphenyl (TriBB)	---	---	---	ND	---
Tetrabromobiphenyl (TetraBB)	---	---	---	ND	---
Pentabromobiphenyl (PentaBB)	---	---	---	ND	---
Hexabromobiphenyl (HexaBB)	---	---	---	ND	---
Heptabromobiphenyl (HeptaBB)	---	---	---	ND	---
Octabromobiphenyl (OctaBB)	---	---	---	ND	---
Nonabromobiphenyl (NonaBB)	---	---	---	ND	---
Decabromobiphenyl (DecaBB)	---	---	---	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs) Total</b>	---	---	---	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	---	---	---	ND	---
Dibromodiphenyl (DiBDE)	---	---	---	ND	---
Tribromodiphenyl (TriBDE)	---	---	---	ND	---
Tetrabromodiphenyl (TetraBDE)	---	---	---	ND	---
Pentabromodiphenyl (PentaBDE)	---	---	---	ND	---
Hexabromodiphenyl (HexaBDE)	---	---	---	ND	---
Heptabromodiphenyl (HeptaBDE)	---	---	---	ND	---
Octabromodiphenyl (OctaBDE)	---	---	---	ND	---
Nonabromodiphenyl (NonaBDE)	---	---	---	ND	---
Decabromodiphenyl (DecaBDE)	---	---	---	ND	---

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1ª. Emisión Junio 2005, 1ª Revisión Junio 26, 2009.

ILTA/003/GENS-F8

ppm = parts per million based on dry weight of sample.

$\mu\text{g}/\text{cm}^2$  = microgram per square centimeter.

mg/kg WITH 50 $\text{cm}^2$  = milligram per kilogram with 50 square centimeter.

< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA  $\Omega$ .

Prepared and checked by :

For Intertek

#### Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1602-1 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1602-2 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1602-3 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1602-4 WERE TESTED TOGETHER.

**Test method :**

<u>Sample number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1-4	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	QHU2009-3p151	2010-07-31	JLHS	2,0

<u>Sample number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
4	POLYBROMINATED BIPHENYLS (PBBs)	Determined by GC-MSD	2010-004616-P CL	2010-08-09	▲ CONT	50,0
4	POLYBROMINATED DIPHENYL ETHERS (PBDEs)	Determined by GC-MSD	2010-004616-P CL	2010-08-09	▲ CONT	50,0

<u>Sample number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Lead (Pb) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	5,0
2	Lead (Pb) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	5,0
3	Lead (Pb) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	5,0
4	Lead (Pb) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p35	2010-08-03	DCL,JMR	5,0

<u>Sample number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Cadmium (Cd) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	2,0
2	Cadmium (Cd) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	2,0
3	Cadmium (Cd) content	With reference to USEPA 3050-MOD, by EPA 6010	MET2010-32p34	2010-08-03	DCL,JMR	2,0
4	Cadmium (Cd) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p35	2010-08-03	DCL,JMR	2,0

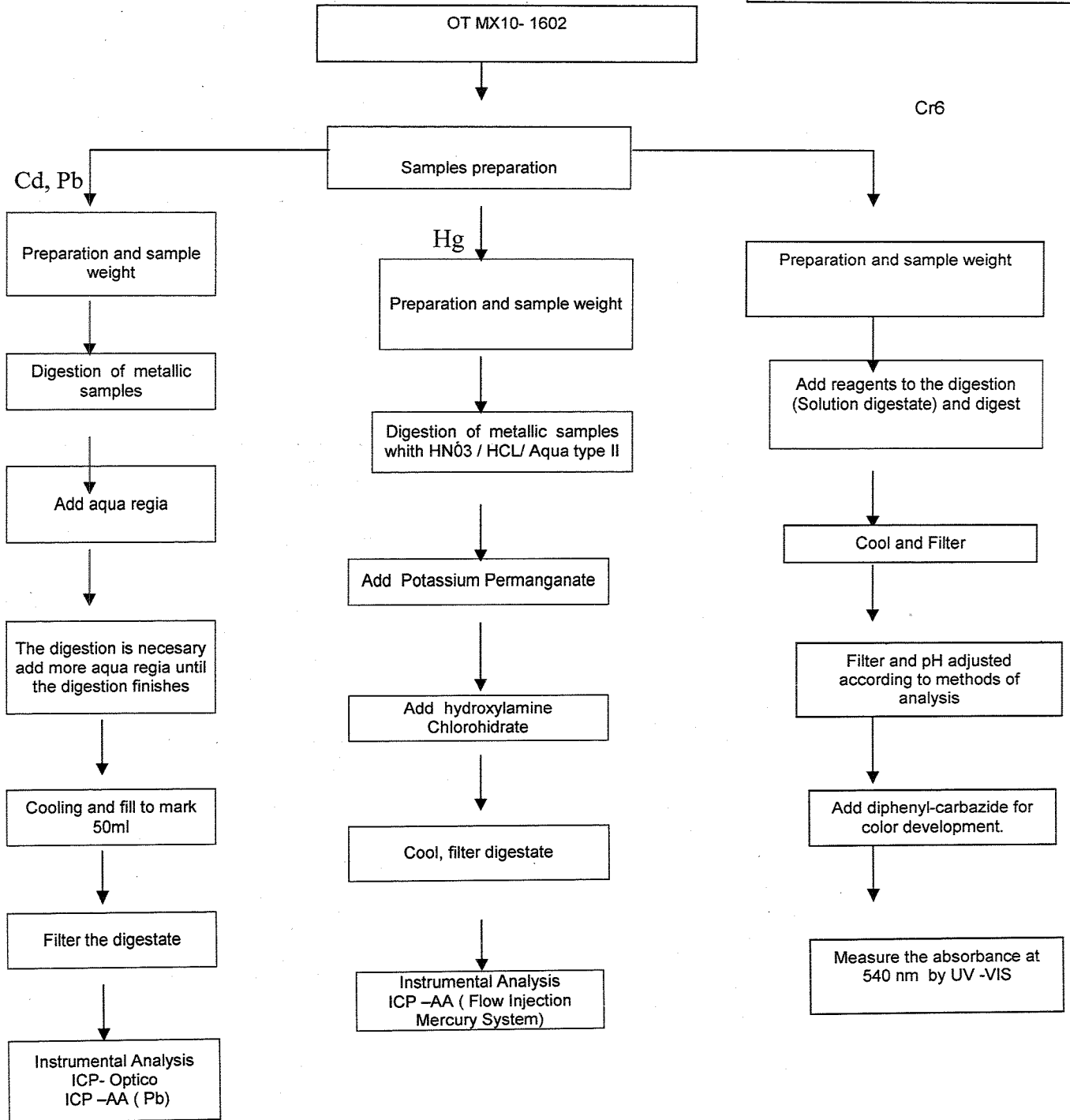
<u>Sample number</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
1	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-32p40	2010-08-04	JAPM	0,3
2	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-32p40	2010-08-04	JAPM	0,3
3	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-32p40	2010-08-04	JAPM	0,3
4	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-32p39	2010-08-04	JAPM	0,3

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1<sup>o</sup>. Emisión Junio 2005, 1<sup>a</sup> Revisión Junio 26, 2009.

ILTA/003/GENS-F8

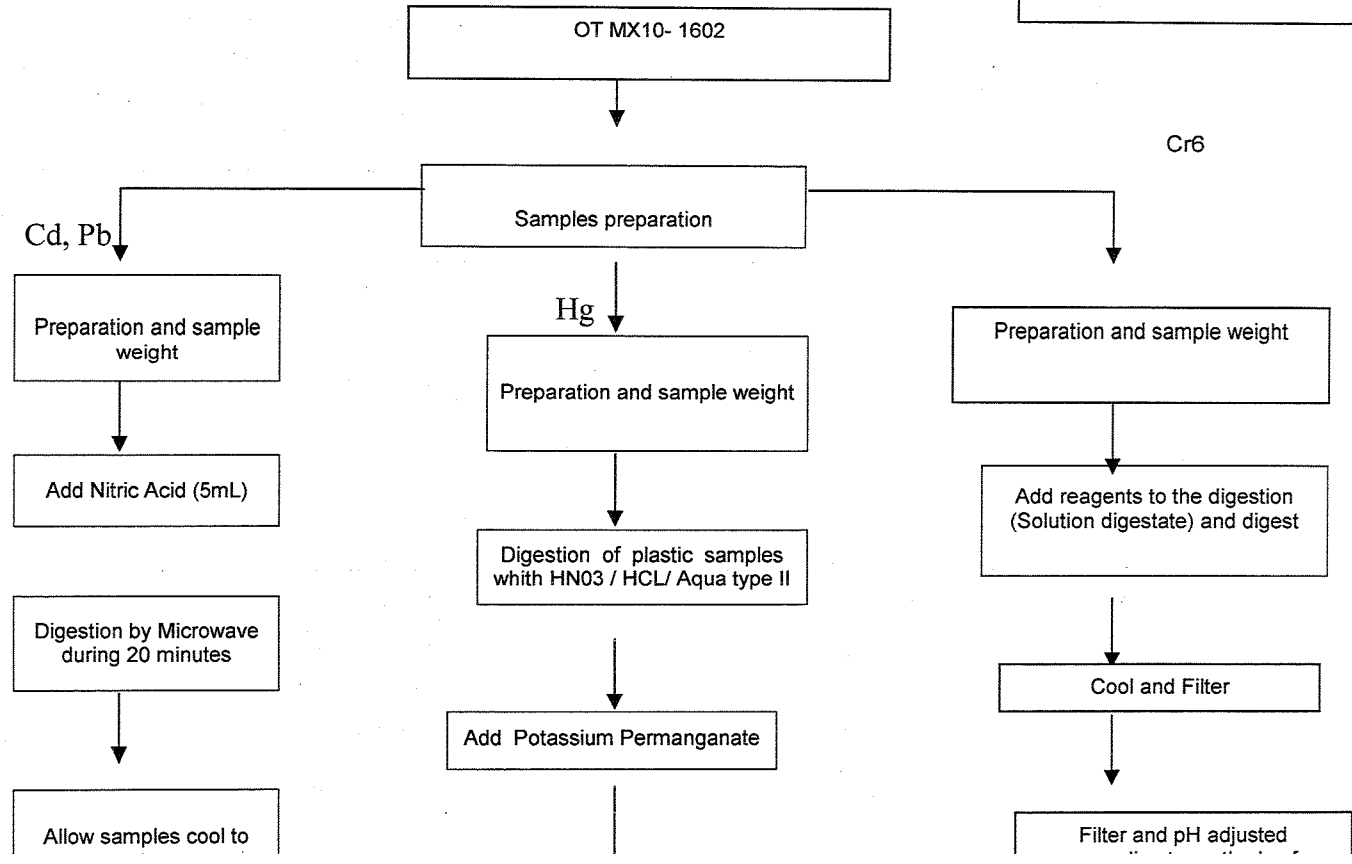




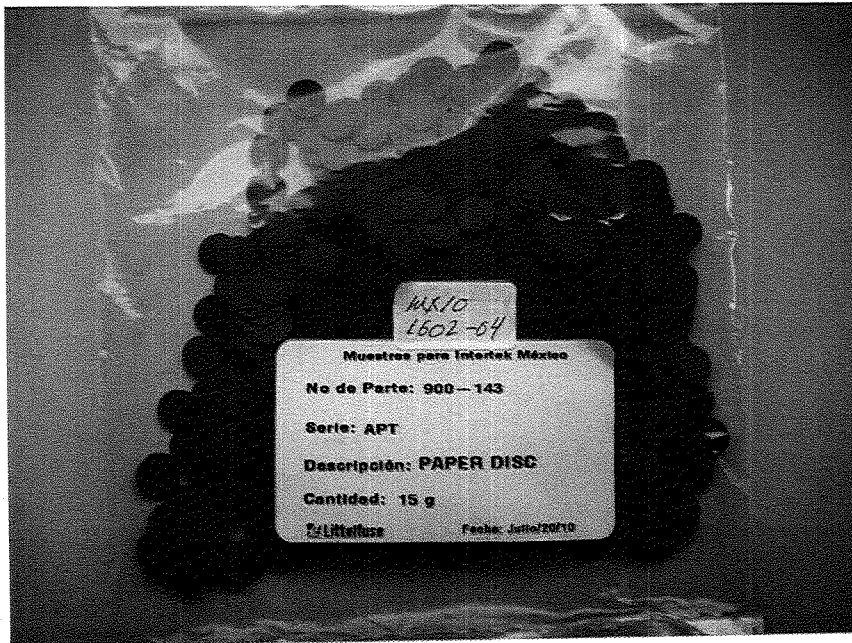
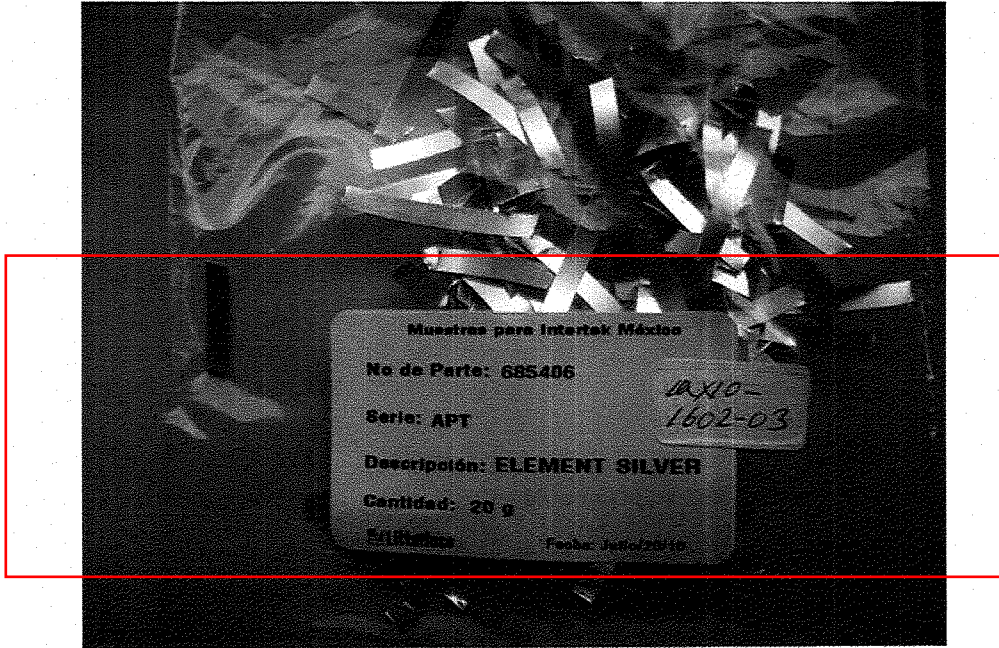
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**Intertek Testing Services de México, S.A. de C.V.**

Bvld. Manuel Ávila Camacho No. 182 Col. Lomas de Chapultepec  
C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863



**MX10-1602**





Report No.: MX10-0928-Serie SPF

Date : 2010-05-31

## RESULTS REPORT

**INTERTEK TESTING SERVICES  
DE MEXICO SA DE CV**

**LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.

Poder Judicial No. 1005, Col. Burócratas, Piedras Negras,  
Coahuila, C.P. 26020

ATTENTION: Berenice Casas / Mario Falcón

001

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Blvd. Manuel Ávila Camacho No. 182 Col. Lomas de Chapultepec  
C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863

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TEST REPORT

APPLICANT

Littelfuse, S.A. de C.V.
Poder Judicial No. 1005, Col. Burócratas, Piedras Negras, Coahuila, C.P. 26020
Berenice Casas / Mario Falcón

SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description NP
19) P/N: 082342 Serie: SPF
28) P/N: 909-161 / 909-171 Serie: FLQ/SPF
Item No. 29) P/N: 901-182 Serie: KLKR/BLS
31) P/N: 087284 Serie: SPF

Country of Origin NP
Buyer's Name NP
Supplier's Name NP
Date sample received 2010-04-20
Testing period 2010-04-29 to 2009-05-22

TEST CONDUCTED

As requested by the applicant, for details please refer to attached pages.

CONCLUSION

Table with 5 columns: Item No., Testing item, Conclusion, Failed component, Failed result. Row 28 is highlighted with a red border.

002

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Report No.: MX10-0928-Serie SPF

Date : 2010-05-31

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 19) P/N: 082342 Serie: SPF
- 28) P/N: 909-161 / 909-171 Serie: FLQ/SPF
- 29) P/N: 901-182 Serie: KLKR/BLS
- 31) P/N: 087284 Serie: SPF

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit #
	(19)	(28)	(29)	(31)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	---	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	---	ND	ND	ND	---
Dibromobiphenyl (DiBB)	---	ND	ND	ND	---
Tribromobiphenyl (TriBB)	---	ND	ND	ND	---
Tetrabromobiphenyl (TetraBB)	---	ND	ND	ND	---
Pentabromobiphenyl (PentaBB)	---	ND	ND	ND	---
Hexabromobiphenyl (HexaBB)	---	ND	ND	ND	---
Heptabromobiphenyl (HeptaBB)	---	ND	ND	ND	---
Octabromobiphenyl (OctaBB)	---	ND	ND	ND	---
Nonabromobiphenyl (NonaBB)	---	ND	ND	ND	---
Decabromobiphenyl (DecaBB)	---	ND	ND	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	---	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	---	ND	ND	ND	---
Dibromodiphenyl (DiBDE)	---	ND	ND	ND	---
Tribromodiphenyl (TriBDE)	---	ND	ND	ND	---
Tetrabromodiphenyl (TetraBDE)	---	ND	ND	ND	---
Pentabromodiphenyl (PentaBDE)	---	ND	ND	ND	---
Hexabromodiphenyl (HexaBDE)	---	ND	ND	ND	---
Heptabromodiphenyl (HeptaBDE)	---	ND	ND	ND	---
Octabromodiphenyl (OctaBDE)	---	ND	ND	ND	---
Nonabromodiphenyl (NonaBDE)	---	ND	ND	ND	---
Decabromodiphenyl (DecaBDE)	---	ND	ND	ND	---

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 C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863  
 www.intertek.com

003



ppm = parts per million based on dry weight of sample.  
 $\mu\text{g}/\text{cm}^2$  = microgram per square centimeter.  
 $\text{mg}/\text{kg WITH } 50\text{cm}^2$  = milligram per kilogram with 50 square centimeter.  
< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA  $\Omega$ .

Prepared and checked by :

For Intertek

*Vra López*  
*[Signature]*  
*Coord de área*  
Laboratory Manager



The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN TH E BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-19 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-28 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-29 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF  
REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-31 WERE TESTED TOGETHER.



Report No.: MX10-0928-Serie SPF  
Date : 2010-05-31

**Test method :**

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA Panasonic (HACH), by EPA Panasonic (HACH) (Sample 1,4) With reference to USEPA 3060, by EPA 7196	BAL827p85 BEQ160p5b	(Sample (1,4) 2010-05-04 2010-05-01,03	MELA,JLHS	0,020 2,0

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
	POLYBROMINATED BIPHENYLS (PBBs)	Determined by GC-MSD	2010-004440-P CL	2010-04-28 2010-05-22	CONT	50*
	POLYBROMINATED DIPHENYL ETHERS (PBDEs)	Determined by GC-MSD	2010-004440-P CL	2010-04-28 2010-05-22	CONT	50*

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,902
28	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,717
29	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,717
31	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,961
28	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,887
29	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,887
31	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
19	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
28	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0746
29	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0714
31	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0794

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C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863  
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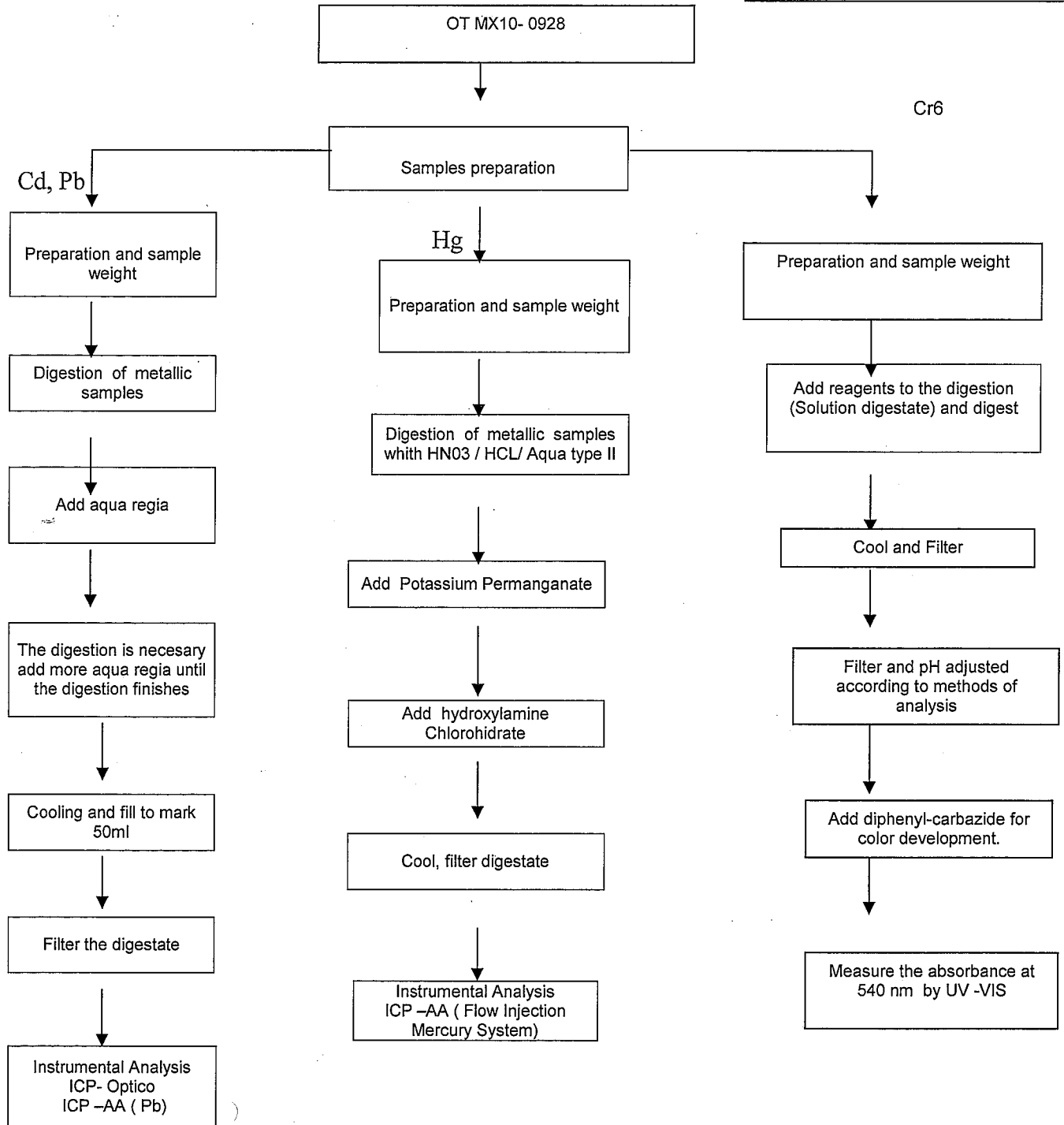
005





Report No.: MX10-0928  
Date: 2010-05-31

Metallic samples  
Flow chart for samples: 19



006

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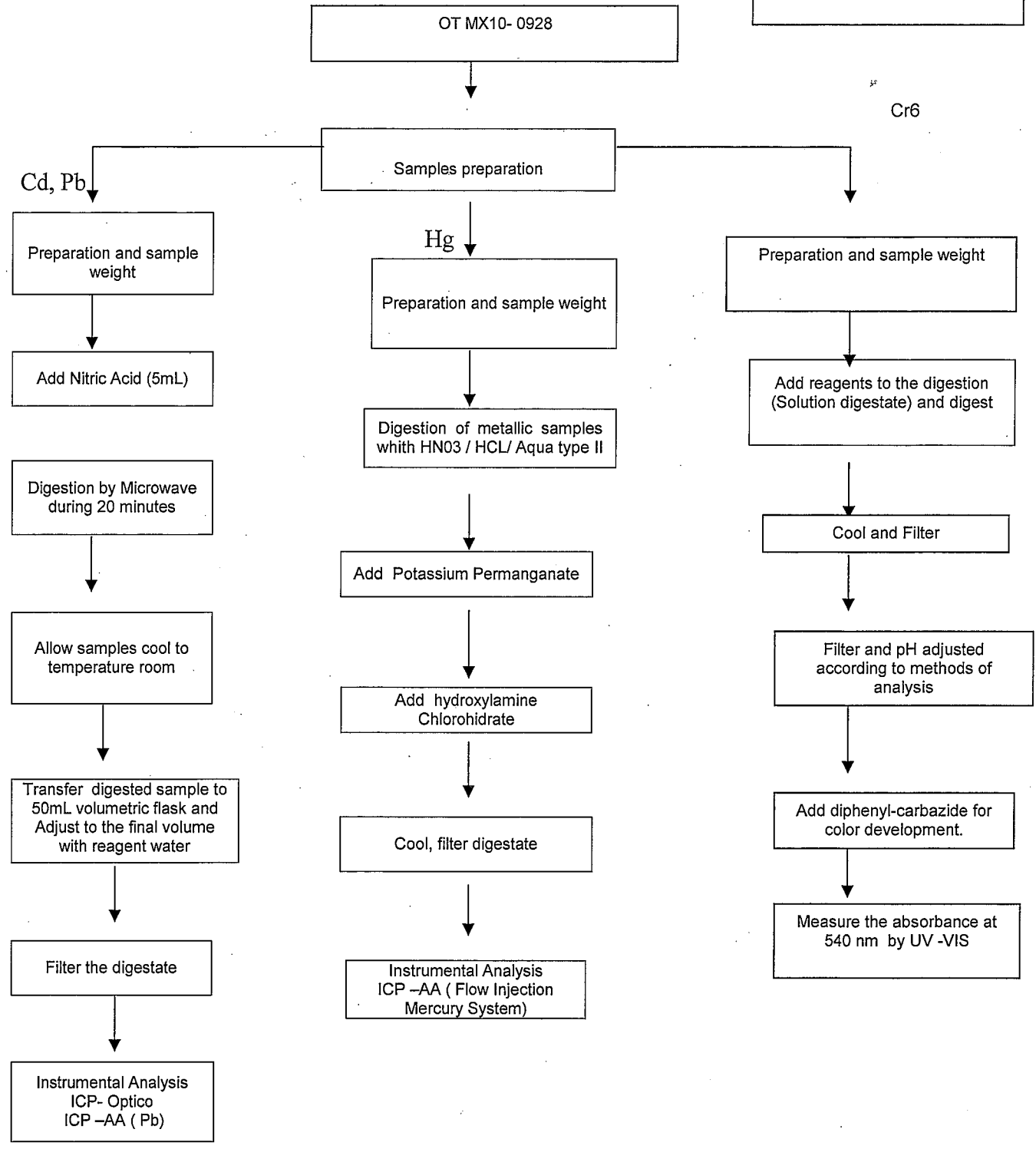
Bld. Manuel Ávila Camacho No. 182 Col. Lomas de Chapultepec  
C.P. 11650, México, D.F. Tel.: 50912150 Fax: 55407863

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Report No.: MX10-0928  
Date: 2010-05-31

Plastic samples  
Flow chart for samples:  
28, 29, 31



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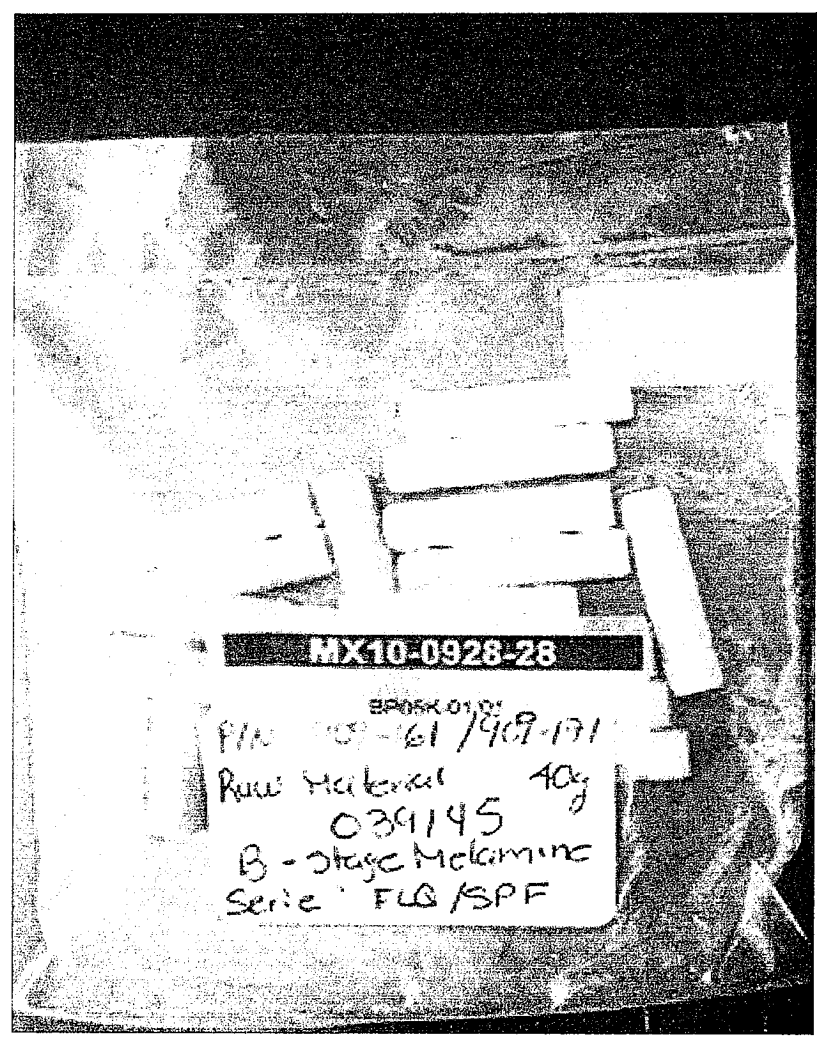
www.intertek.com

1ª. Emisión Junio 2005, 1ª Revisión Junio 26, 2009.

ILTA/003/GENS-F8

007

**MX10-0928-28**



**TEST REPORT****APPLICANT**

Littelfuse, S.A. de C.V.  
Poder Judicial No. 1005, Col. Burócratas, Piedras Negras, Coahuila, C.P. 26020  
Berenice Casas / Mario Falcón

**SAMPLE DESCRIPTION**

One (1) group of submitted samples said to be :

Sample Description NP  
Item No. 17) P/N: 082394 Serie: KLKR  
Country of Origin NP  
Buyer's Name NP  
Supplier's Name NP  
Date sample received 2010-04-20  
Testing period 2010-04-29 to 2009-05-22

\*\*\*\*\*

**TEST CONDUCTED**

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

**CONCLUSION**

	<u>Testing item</u>	<u>Conclusion</u>	<u>Failed component</u>	<u>Failed result</u>
17	P/N: 082394 Serie: KLKR	Pass See Result summary	---	---

\*\*\*\*\*



Report No.: MX10-0928-KLKR

Date : 2010-05-31

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

17) P/N: 082394 Serie: KLKR

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)	Limit #
	(17)	
Cadmium (Cd) content	ND	0,01% (100 ppm)
Lead (Pb) content	11,300	0,1% (1000 ppm)
Mercury (Hg) content	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	0,1% (1000 ppm)

ppm = parts per million based on dry weight of sample.

µg/cm<sup>2</sup> = microgram per square centimeter.

mg/kg WITH 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter.

< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA Ω.

Prepared and checked by : .

For Intertek

PA Mario T. Candelario M.  
20100669

P.A. Ma. de Jesús Moreno  
M. J. M.



Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

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NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-17 WERE TESTED TOGETHER.

**Test method :**

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	BEQ160p5b	2010-05-01,03	MELA,JLHS	2,0

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
17	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	5,000

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
17	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,000

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
17	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0758

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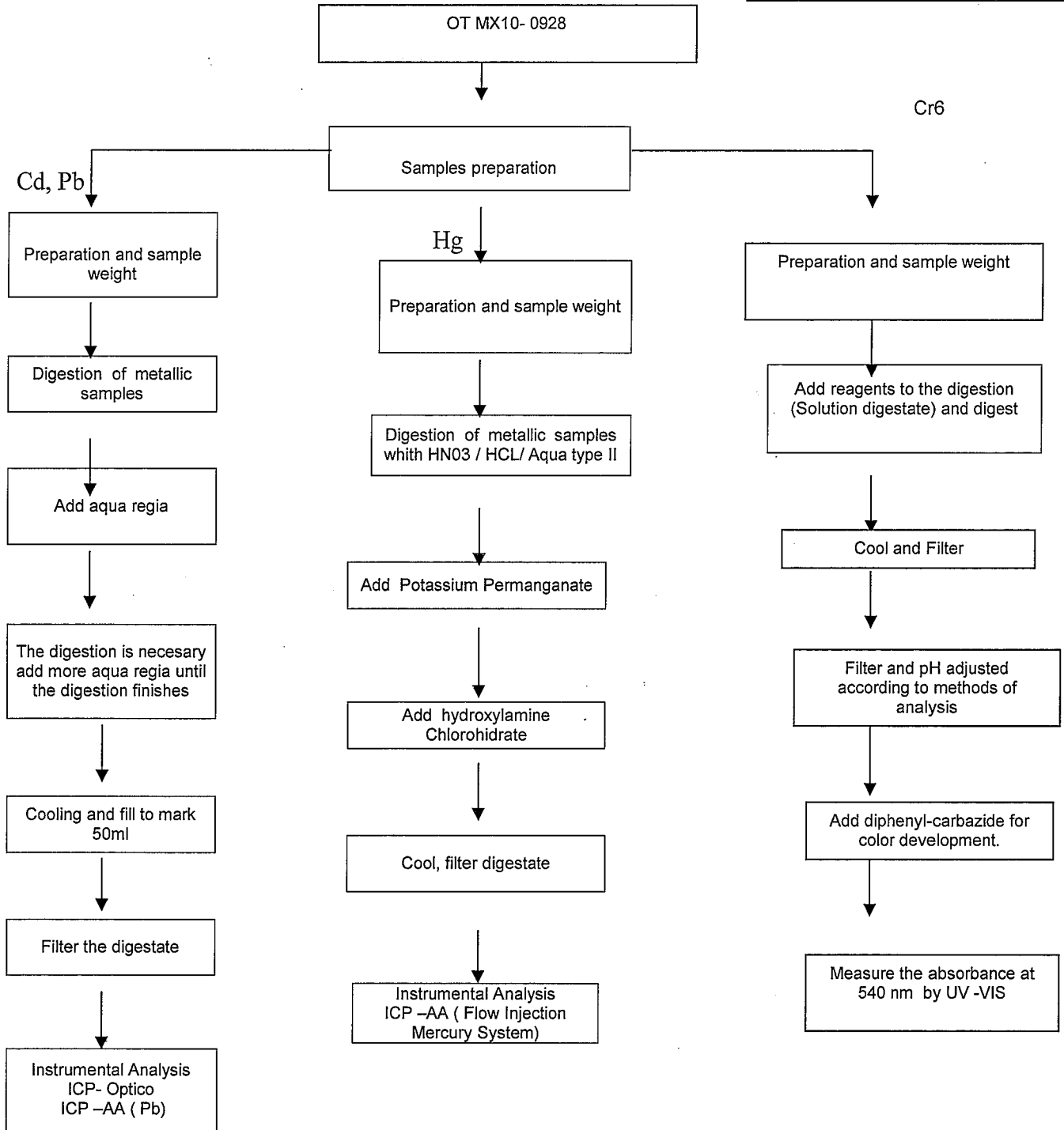
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0 4



Report No.: MX10-0928  
Date: 2010-05-31

Metallic samples  
Flow chart for samples: 17



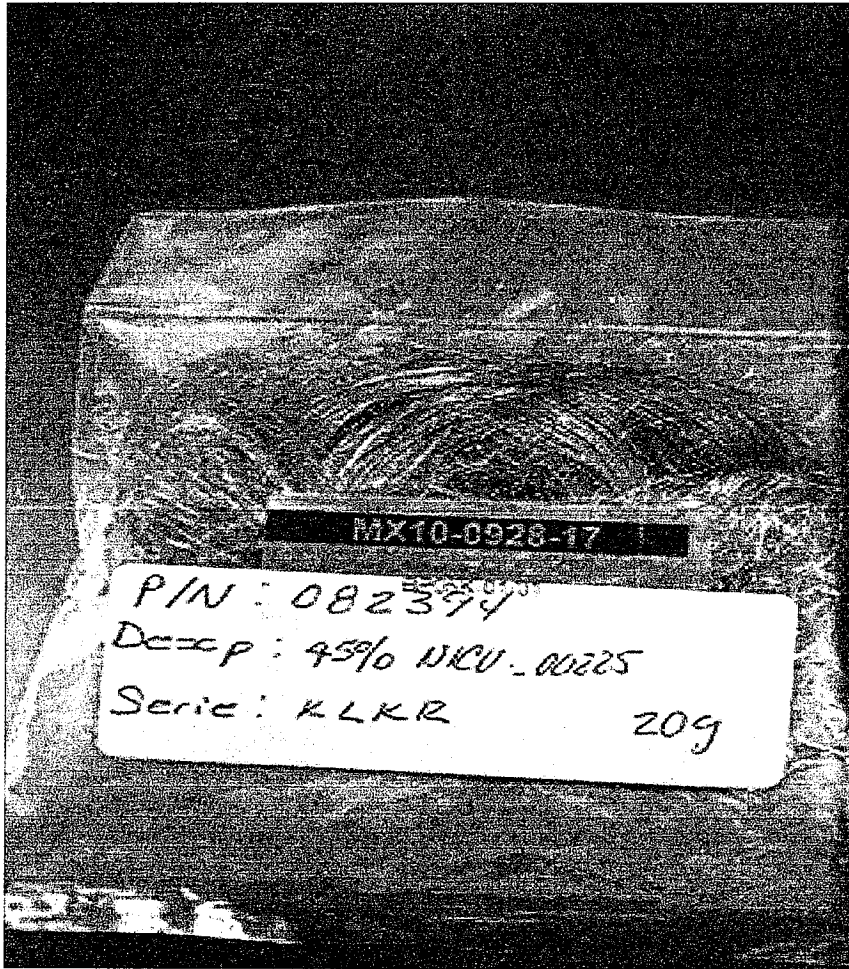
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**MX10-0928-17**





**RESULTS REPORT**

**INTERTEK TESTING SERVICES**

**DE MEXICO SA DE CV**

**LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z. Mtz. 1800, Col. Magisterio Sección 38, Piedras  
Negras, Coahuila, 26070

ATTENTION: Ing. Mario Falcón



Report No. MX10-0867  
Date : 2010-05-31

### TEST REPORT

#### APPLICANT

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z. Mtz. 1800, Col. Magisterio Sección 38, Piedras Negras, Coahuila, 26070  
Ing. Mario Falcón

#### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description	NP
	1) No. Parte 084215 Serie 155
	2) No. Parte 878-112 Serie 150
	3) No. Parte 878-114 Serie 150
	4) No. Parte 084113 Serie 155
	5) No. Parte 01500284Z Serie FHM and 153
	6) No. Parte 878-113 Serie 155
	7) No. Parte L600601C Descrip: ACS 600V Class
	8) No. Parte 155004-4 Serie 155XXX2XA
	9) L60060C
	10) No. Parte 909-410 Serie FLM
	11) No. Parte 927-292 Serie TLS/KLKR
Item No.	12) No. Parte 079040 Serie FLM
	13) No. Parte 01000054Z Serie 100
	14) No. Parte 01000057Z Serie 100
	15) No. Parte 927-027 Serie FLM/KLKR
	16) No. Parte 155004-3 Serie 155 XXXX2XA
	17) No. Parte 01000058Z Serie 100
	18) No. Parte 079055 Serie BLN
	19) No. Parte 923-089 Serie CCMR/KLKR/FLQSLC
	20) No. Parte 01000056Z Serie 100
	21) No. Parte 087244 Serie CCMP,FLQ,KLDR
	22) No. Parte 087293 Serie FLQ
	23) No. Parte 090190 Serie KLKR/FLQ/APT

Country of Origin	NP
Buyer's Name	NP
Supplier's Name	NP
Date sample received	2010-04-13
Testing period	2010-04-19 to 2009-05-22

\*\*\*\*\*

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Report No.: MX10-0867  
Date: 2010-05-31

**TEST CONDUCTED**

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

**CONCLUSION**

	<u>Testing item</u>	<u>Conclusion</u>	<u>Failed component</u>	<u>Failed result</u>
1	No. Parte 084215 Serie 155	Pass See Result summary	---	---
2	No. Parte 878-112 Serie 150	Pass See Result summary	---	---
3	No. Parte 878-114 Serie 150	Pass See Result summary	---	---
4	No. Parte 084113 Serie 155	Pass See Result summary	---	---
5	No. Parte 01500284Z Serie FHM and 153	Pass See Result summary	---	---
6	No. Parte 878-113 Serie 155	Pass See Result summary	---	---
7 (a), (b), (c), (e), (f)	No. Parte L600601C Descrip: ACS 600V Class	Pass See Result summary	---	---
(7d)	III tornillo 2c (tornillo grueso metálico con aluminio)	Failed See Result summary	Lead	2 897 mg/kg
8	No. Parte 155004-4 Serie 155XXX2XA	Pass See Result summary	---	---
9	L60060C	Pass See Result summary	---	---
10	No. Parte 909-410 Serie FLM	Pass See Result summary	---	---
11	No. Parte 927-292 Serie TLS/KLKR	Pass See Result summary	---	---
12	No. Parte 079040 Serie FLM	Pass See Result summary	---	---
13	No. Parte 01000054Z Serie 100	Pass See Result summary	---	---
14	No. Parte 01000057Z Serie 100	Pass See Result summary	---	---
15	No. Parte 927-027 Serie FLM/KLKR	Pass See Result summary	---	---

\*\*\*\*\*

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## CONCLUSION

	<u>Testing item</u>	<u>Conclusion</u>	<u>Failed component</u>	<u>Failed result</u>
16	No. Parte 155004-3 Serie 155 XXXX2XA	Pass See Result summary	---	---
17	No. Parte 01000058Z Serie 100	Pass See Result summary	---	---
18	No. Parte 079055 Serie BLN	Pass See Result summary	---	---
19	No. Parte 923-089 Serie CCMR/KLKR/FLQSLC	Pass See Result summary	---	---
20	No. Parte 01000056Z Serie 100	Pass See Result summary	---	---
21	No. Parte 087244 Serie CCMP,FLQ,KLDR	Pass See Result summary	---	---
22	No. Parte 087293 Serie FLQ	Pass See Result summary	---	---
23	No. Parte 090190 Serie KLKR/FLQ/APT	Pass See Result summary	---	---



**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 1) No. Parte 084215 Serie 155
- 2) No. Parte 878-112 Serie 150
- 3) No. Parte 878-114 Serie 150

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)						Limit
	(1a)	(1b)	(2a)	(2b)	(3a)	(3b)	
	Insulator	metal	Insulator	metal	Insulator	metal	
Cadmium (Cd) content	ND	ND	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	8,402	ND	9,026	ND	9,094	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	ND	0,2594	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	2,080	2,080	2,356	2,208	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	---	ND	---	ND	---	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	---	ND	---	ND	---	---
Dibromobiphenyl (DiBB)	ND	---	ND	---	ND	---	---
Tribromobiphenyl (TriBB)	ND	---	ND	---	ND	---	---
Tetrabromobiphenyl (TetraBB)	ND	---	ND	---	ND	---	---
Pentabromobiphenyl (PentaBB)	ND	---	ND	---	ND	---	---
Hexabromobiphenyl (HexaBB)	ND	---	ND	---	ND	---	---
Heptabromobiphenyl (HeptaBB)	ND	---	ND	---	ND	---	---
Octabromobiphenyl (OctaBB)	ND	---	ND	---	ND	---	---
Nonabromobiphenyl (NonaBB)	ND	---	ND	---	ND	---	---
Decabromobiphenyl (DecaBB)	ND	---	ND	---	ND	---	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	---	ND	---	ND	---	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	---	ND	---	ND	---	---
Dibromodiphenyl (DiBDE)	ND	---	ND	---	ND	---	---
Tribromodiphenyl (TriBDE)	ND	---	ND	---	ND	---	---
Tetrabromodiphenyl (TetraBDE)	ND	---	ND	---	ND	---	---
Pentabromodiphenyl (PentaBDE)	ND	---	ND	---	ND	---	---
Hexabromodiphenyl (HexaBDE)	ND	---	ND	---	ND	---	---
Heptabromodiphenyl (HeptaBDE)	ND	---	ND	---	ND	---	---
Octabromodiphenyl (OctaBDE)	ND	---	ND	---	ND	---	---
Nonabromodiphenyl (NonaBDE)	ND	---	ND	---	ND	---	---
Decabromodiphenyl (DecaBDE)	ND	---	ND	---	ND	---	---

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

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- 4) No. Parte 084113 Serie 155
- 5) No. Parte 01500284Z Serie FHM and 153
- 6) No. Parte 878-113 Serie 155

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)								Limit
	(4a)	(4b)	(5a) **	(5b)	(5c) **	(5d)	(6a)	(6b)	
	Insulator	metal	Insulator (Black plastic)	Wire (wire of copper)	Insulator (Black insulator)	Wire (metal part of the copper fuse)	Insulator	metal	
Cadmium (Cd) content	ND	ND	ND	ND	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	9,571	ND	8,970	ND	21,61	ND	9,199	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	2,182	ND	ND	ND (&)	ND	ND (&)	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	---	ND **				ND	---	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	---	ND				ND	---	---
Dibromobiphenyl (DiBB)	ND	---	ND				ND	---	---
Tribromobiphenyl (TriBB)	ND	---	ND				ND	---	---
Tetrabromobiphenyl (TetraBB)	ND	---	ND				ND	---	---
Pentabromobiphenyl (PentaBB)	ND	---	ND				ND	---	---
Hexabromobiphenyl (HexaBB)	ND	---	ND				ND	---	---
Heptabromobiphenyl (HeptaBB)	ND	---	ND				ND	---	---
Octabromobiphenyl (OctaBB)	ND	---	ND				ND	---	---
Nonabromobiphenyl (NonaBB)	ND	---	ND				ND	---	---
Decabromobiphenyl (DecaBB)	ND	---	ND				ND	---	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	---	ND				ND	---	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	---	ND				ND	---	---
Dibromodiphenyl (DiBDE)	ND	---	ND				ND	---	---
Tribromodiphenyl (TriBDE)	ND	---	ND				ND	---	---
Tetrabromodiphenyl (TetraBDE)	ND	---	ND				ND	---	---
Pentabromodiphenyl (PentaBDE)	ND	---	ND				ND	---	---
Hexabromodiphenyl (HexaBDE)	ND	---	ND				ND	---	---
Heptabromodiphenyl (HeptaBDE)	ND	---	ND				ND	---	---
Octabromodiphenyl (OctaBDE)	ND	---	ND				ND	---	---
Nonabromodiphenyl (NonaBDE)	ND	---	ND				ND	---	---
Decabromodiphenyl (DecaBDE)	ND	---	ND				ND	---	---

(&) NOTE: Composite sample was analyzed.

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 7) No. Parte L600601C Descrip: ACS 600V Class

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**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)						Limit	
	(7a)	(7b)	(7c)	(7d)	(7e)	(7f)		
	Metal e (silver metal)	I metal b (silver-blue metal)	II Screw (small screw, silver metal)	III Screw (thickness screw metal)	IV Cube Metallic with aluminum)	Frame plastic		
Cadmium (Cd) content	ND	50,755	47,833	ND	ND	ND	0.01% (100 ppm)	
Lead (Pb) content	18,22	ND	8,91	2897	8,363	ND	0.1% (1000 ppm)	
Mercury (Hg) content	ND	ND	ND	ND	ND	ND	0.1% (1000 ppm)	
Chromium (VI) (Cr <sup>6+</sup> )	ND (&)						ND	0.1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	---	---	---	---	---	ND	0.1% (1000 ppm)	
Monobromobiphenyl (MonoBB)	---	---	---	---	---	ND	---	
Dibromobiphenyl (DiBB)	---	---	---	---	---	ND	---	
Tribromobiphenyl (TriBB)	---	---	---	---	---	ND	---	
Tetrabromobiphenyl (TetraBB)	---	---	---	---	---	ND	---	
Pentabromobiphenyl (PentaBB)	---	---	---	---	---	ND	---	
Hexabromobiphenyl (HexaBB)	---	---	---	---	---	ND	---	
Heptabromobiphenyl (HeptaBB)	---	---	---	---	---	ND	---	
Octabromobiphenyl (OctaBB)	---	---	---	---	---	ND	---	
Nonabromobiphenyl (NonaBB)	---	---	---	---	---	ND	---	
Decabromobiphenyl (DecaBB)	---	---	---	---	---	ND	---	
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	---	---	---	---	---	ND	0.1% (1000 ppm)	
Monobromodiphenyl (MonoBDE)	---	---	---	---	---	ND	---	
Dibromodiphenyl (DiBDE)	---	---	---	---	---	ND	---	
Tribromodiphenyl (TriBDE)	---	---	---	---	---	ND	---	
Tetrabromodiphenyl (TetraBDE)	---	---	---	---	---	ND	---	
Pentabromodiphenyl (PentaBDE)	---	---	---	---	---	ND	---	
Hexabromodiphenyl (HexaBDE)	---	---	---	---	---	ND	---	
Heptabromodiphenyl (HeptaBDE)	---	---	---	---	---	ND	---	
Octabromodiphenyl (OctaBDE)	---	---	---	---	---	ND	---	
Nonabromodiphenyl (NonaBDE)	---	---	---	---	---	ND	---	
Decabromodiphenyl (DecaBDE)	---	---	---	---	---	ND	---	

(&) NOTE: Composite sample was analyzed.

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 8) No. Parte 155004-4 Serie 155XXXX2XA
- 9) L60060C

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10) No. Parte 909-410 Serie FLM

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit
	(8)	(9)	(10)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	ND	ND	---
Dibromobiphenyl (DiBB)	ND	ND	ND	---
Tribromobiphenyl (TriBB)	ND	ND	ND	---
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	---
Pentabromobiphenyl (PentaBB)	ND	ND	ND	---
Hexabromobiphenyl (HexaBB)	ND	ND	ND	---
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	---
Octabromobiphenyl (OctaBB)	ND	ND	ND	---
Nonabromobiphenyl (NonaBB)	ND	ND	ND	---
Decabromobiphenyl (DecaBB)	ND	ND	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	ND	ND	---
Dibromodiphenyl (DiBDE)	ND	ND	ND	---
Tribromodiphenyl (TriBDE)	ND	ND	ND	---
Tetrabromodiphenyl (TetraBDE)	ND	ND	ND	---
Pentabromodiphenyl (PentaBDE)	ND	ND	ND	---
Hexabromodiphenyl (HexaBDE)	ND	ND	ND	---
Heptabromodiphenyl (HeptaBDE)	ND	ND	ND	---
Octabromodiphenyl (OctaBDE)	ND	ND	ND	---
Nonabromodiphenyl (NonaBDE)	ND	ND	ND	---
Decabromodiphenyl (DecaBDE)	ND	ND	ND	---

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 11) No. Parte 927-292 Serie TLS/KLKR
- 12) No. Parte 079040 Serie FLM

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- 13) No. Parte 01000054Z Serie 100
- 14) No. Parte 01000057Z Serie 100
- 15) No. Parte 927-027 Serie FLM/KLKR

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)					Limit
	(11)	(12)	(13)	(14)	(15)	
Cadmium (Cd) content	ND	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	190,0	14,33	88,29	24,26	175,2	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 16) No. Parte 155004-3 Serie 155 XXXX2XA
- 17) No. Parte 01000058Z Serie 100
- 18) No. Parte 079055 Serie BLN
- 19) No. Parte 923-089 Serie CCMR/KLKR/FLQSLC
- 20) No. Parte 01000056Z Serie 100

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)					Limit
	(16)	(17)	(18)	(19)	(20)	
Cadmium (Cd) content	49,54	ND	ND	5,39	ND	0,01% (100 ppm)
Lead (Pb) content	9,47	54,47	31,62	3149	61,02	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	2,912	2,648	ND	ND	2,408	

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 21) No. Parte 087244 Serie CCMP,FLQ,KLDR
- 22) No. Parte 087293 Serie FLQ
- 23) No. Parte 090190 Serie KLKR/FLQ/APT

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

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TESTING ITEM	Ω RESULT (ppm)			Limit
	(21)	(22)	(23)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	2,144	2,152	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	ND	---	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	ND	---	---
Dibromobiphenyl (DiBB)	ND	ND	---	---
Tribromobiphenyl (TriBB)	ND	ND	---	---
Tetrabromobiphenyl (TetraBB)	ND	ND	---	---
Pentabromobiphenyl (PentaBB)	ND	ND	---	---
Hexabromobiphenyl (HexaBB)	ND	ND	---	---
Heptabromobiphenyl (HeptaBB)	ND	ND	---	---
Octabromobiphenyl (OctaBB)	ND	ND	---	---
Nonabromobiphenyl (NonaBB)	ND	ND	---	---
Decabromobiphenyl (DecaBB)	ND	ND	---	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	ND	---	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	ND	---	---
Dibromodiphenyl (DiBDE)	ND	ND	---	---
Tribromodiphenyl (TriBDE)	ND	ND	---	---
Tetrabromodiphenyl (TetraBDE)	ND	ND	---	---
Pentabromodiphenyl (PentaBDE)	ND	ND	---	---
Hexabromodiphenyl (HexaBDE)	ND	ND	---	---
Heptabromodiphenyl (HeptaBDE)	ND	ND	---	---
Octabromodiphenyl (OctaBDE)	ND	ND	---	---
Nonabromodiphenyl (NonaBDE)	ND	ND	---	---
Decabromodiphenyl (DecaBDE)	ND	ND	---	---

ppm = parts per million based on dry weight of sample.

µg/cm<sup>2</sup> = microgram per square centimeter.

mg/kg WITH 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter.

< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

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Report No. MX10-0867  
Date : 2010-05-31

These Accreditations only apply for the methods listed in such. Not accredited under EMA  $\Omega$ .

Prepared and checked by :  
For Intertek

Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-1 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-2 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-3 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-4 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-5 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-6 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-7 WERE TESTED SEPARATELY.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-8 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-9 WERE TESTED TOGETHER.

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REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-10 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-11 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-12 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-13 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-14 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-15 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-16 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-17 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-18 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-19 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-20 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-21 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-22 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0867-23 WERE TESTED TOGETHER.

## Test method :

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<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	BEQ160p5b	2010-04-24	MELA	2,0 / 1,0* (Sample 19)

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
	POLYBROMINATED BIPHENYLS (PBBs)	With reference to USEPA 3540C, by solvent extraction and determined by GC-MSD	2010-004440-P CL	2010-05-22	CONT	50
	POLYBROMINATED DIPHENYL ETHERS (PBDEs)	With reference to USEPA 3540C, by solvent extraction and determined by GC-MSD	2010-004440-P CL	2010-05-22	CONT	50

<u>No. de Muestra</u>	<u>Testing item</u>	<u>Ω Testing method</u>	<u>Quality control Batch:</u>	<u>Analysis Date:</u>	<u>Analyzed By:</u>	<u>Reporting limit ppm</u>
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1 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,807
1 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	4,902
2 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	5,0
2 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	4,808
3 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,717
3 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	4,717
4 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,717
4 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	4,902
5 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	5,0
5 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	5,0
5 (c)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,630
5 (d)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	5,319
6 (a)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,808
6 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	5,0
7 (a)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-23	JMR, DCL	5,102
7 (b)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p47	2010-04-22	JMR, DCL	9,43
7 (c)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p47	2010-04-22	JMR, DCL	5,55
7 (d)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	1,462
7 (e)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	0,887
7 (f)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,808
8	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	5,102
9	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,90
10	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,464
11	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	5,319
12	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	4,808
13	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR, DCL	5,435
14	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	4,098
15	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	5,0
16	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p47, 48	2010-04-23	MARY, VLM	6,85
17	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	5,102
18	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	4,901
19	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	0,443
20	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47, 48	2010-04-22	JMR, DCL	5,319
21	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,630
22	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	4,717
23	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p49	2010-04-22	JMR, DCL	5,0

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
1 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR, DCL	1,92

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1 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,961
2 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	2,0
2 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,92
3 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,89
3 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,887
4 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,89
4 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,961
5 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	2,0
5 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	2,0
5 (c)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,85
5 (d)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	2,128
6 (a)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,923
6 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	2,0
7 (a)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-23	JMR,DCL	2,041
7 (b)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,886
7 (c)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 3010	MET2010-4p47	2010-04-22	JMR,DCL	1,111
7 (d)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	0,585
7 (e)	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	0,365
7 (f)	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,923
8	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	2,04
9	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,96
10	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,786
11	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	2,128
12	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	1,923
13	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47	2010-04-22	JMR,DCL	2,174
14	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	1,64
15	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	2,0
16	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p47,48	2010-04-23	MARY,VLM	1,37
17	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	2,04
18	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	1,96
19	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	0,178
20	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p47,48	2010-04-22	JMR,DCL	2,128
21	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,852
22	Cadmium(Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p51	2010-04-22	JMR,DCL	1,887
23	Cadmium(Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p49	2010-04-22	JMR,DCL	2,0

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
1 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0806
1 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,082

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Report No. - MX10-0867  
Date : 2010-05-31

2 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0833
2 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0806
3 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0833
3 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0769
4 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0769
4 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0847
5 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0833
5 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0806
5 (c)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,082
5 (d)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0847
6 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0806
6 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,082
7 (a)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0806
7 (b)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0847
7 (c)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0556
7 (d)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0256
7 (e)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0633
7 (f)	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0806
8	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0833
9	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0794
10	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0806
11	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0725
12	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0735
13	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0833
14	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0781
15	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,082
16	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,082
17	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0746
18	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,082
19	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0088
20	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p44	2010-04-20	UBM	0,0806
21	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p54	2010-04-22	UBM	0,083
22	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p46	2010-04-20	UBM	0,0781
23	Mercury (Hg) content	With reference to USEPA 7471MOD, by EPA 7471	MET2010-4p50	2010-04-20	UBM	0,083

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**RESULTS REPORT**  
**INTERTEK TESTING SERVICES**  
**DE MEXICO SA DE CV**  
**LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.  
Poder Judicial No. 1005, Col. Burócratas, Piedras Negras,  
Coahuila, C.P. 26020

ATTENTION: Berenice Casas / Mario Falcón



**TEST REPORT**

**APPLICANT**

Littelfuse, S.A. de C.V.  
Poder Judicial No. 1005, Col. Burócratas, Piedras Negras, Coahuila, C.P. 26020  
Berenice Casas / Mario Falcón

**SAMPLE DESCRIPTION**

One (1) group of submitted samples said to be

Sample Description	NP
	1) P/N: 902-122 Serie: L600XXX-XPQ
	2) P/N: 903-117 Serie: L600XXX-XPQ
	3) P/N: 883-057 Serie: 153
	4) P/N: 902-140 Serie: L600XXX-XPQ
	5) P/N: 875-460 Serie: 345
	6) P/N: 883-050 Serie: 345 Int.
	7) P/N: 882-426 Serie: 345 Int.
	8) P/N: 883-048 Serie: 345 Int.
	9) P/N: 883-055 Serie: 345 Int.
	10) P/N: 912-296 Serie: 345 Int.
	11) P/N: 070126 Serie: 345 Int.
	12) P/N: 912-297 Serie: 345 Int.
	13) P/N: 875-524 Serie: 345 Int.
	14) P/N: 875-521 Serie: 345 Int.
	15) P/N: 891-023 Serie: 345 Int.
Item No.	16) P/N: 923-001 Serie: FLQ/BLF
	17) P/N: 082394 Serie: KLKR
	18) P/N: 082386 Serie: FLQ
	19) P/N: 082342 Serie: SPF
	20) P/N: 0297005 WXNV Serie: 153
	21) P/N: 868-069 Serie: L600XXX-XPQ
	22) P/N: 057256 Serie: 345 Int.
	23) P/N: 057838 Serie: 345 Int.
	24) P/N: 153007-4 Serie: 153
	25) P/N: 885-018 Serie: 153
	26) P/N: 3453RF1-1 Serie: 345 Int.
	27) P/N: 057277 Serie: 345 Int.
	28) P/N: 909-161 / 909-171 Serie: FLQ/SPE
	29) P/N: 901-182 Serie: KLKR/BLS
	30) P/N: 901-134 Serie: 345
	31) P/N: 087284 Serie: SPE

Country of Origin NP  
Buyer's Name NP  
Supplier's Name NP  
Date sample received 2010-04-20  
Testing period 2010-04-29 to 2009-05-22

\*\*\*\*\*

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**TEST CONDUCTED**

As requested by the applicant, for details please refer to attached pages.

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**CONCLUSION**

	<u>Testing item</u>	<u>Conclusion</u>	<u>Failed component</u>	<u>Failed result</u>
1	P/N: 902-122 Serie: L600XXX-XPQ	Pass See Result summary	---	---
2	P/N: 903-117 Serie: L600XXX-XPQ	Pass See Result summary	---	---
3	P/N: 883-057 Serie 153	Pass See Result summary	---	---
4	P/N: 902-140 Serie L600XXX-XPQ	Pass See Result summary	---	---
5	P/N: 875-460 Serie 345	Pass See Result summary	---	---
6	P/N: 883-050 Serie: 345 Int.	Pass See Result summary	---	---
7	P/N: 882-426 Serie: 345 Int.	Pass See Result summary	---	---
8	P/N: 883-048 Serie: 345 Int.	Pass See Result summary	---	---
9	P/N: 883-055 Serie: 345 Int.	Pass See Result summary	---	---
10	P/N: 912-296 Serie: 345 Int.	Pass See Result summary	---	---
11	P/N: 070126 Serie: 345 Int.	Pass See Result summary	---	---
12	P/N: 912-297 Serie: 345 Int.	Pass See Result summary	---	---
13	P/N: 875-524 Serie: 345 Int.	Pass See Result summary	---	---
14	P/N: 875-521 Serie: 345 Int.	Pass See Result summary	---	---
15	P/N: 891-023 Serie: 345 Int.	Pass See Result summary	---	---

\*\*\*\*\*



**CONCLUSION**

	Testing item	Conclusion	Failed component	Failed result
16	P/N: 923-001 Serie: FLQ/BLF	Pass See Result summary	---	---
17	P/N: 082394 Serie: KLKR	Pass See Result summary	---	---
18	P/N: 082386 Serie: FLQ	Pass See Result summary	---	---
19	P/N: 082342 Serie: SPF	Pass See Result summary	---	---
20	P/N: 0297005 WXNV Serie: 153	Pass See Result summary	---	---
21	P/N: 868-069 Serie: L600XXX-XPQ	Pass See Result summary	---	---
22	P/N: 057256 Serie: 345 Int.	Pass See Result summary	---	---
23	P/N: 057838 Serie: 345 Int.	Pass See Result summary	---	---
24	P/N: 153007-4 Serie: 153	Pass See Result summary	---	---
25	P/N: 885-018 Serie: 153	Pass See Result summary	---	---
26	P/N: 3453RF1-1 Serie: 345 Int.	Pass See Result summary	---	---
27	P/N: 057277 Serie: 345 Int.	Pass See Result summary	---	---
28	P/N: 909-161 / 909-171 Serie: FLQ/SPE	Pass See Result summary	---	---
29	P/N: 901-182 Serie: KLKR/BLS	Pass See Result summary	---	---
30	P/N: 901-134 Serie: 345	Pass See Result summary	---	---
31	P/N: 087284 Serie: SPE	Pass See Result summary	---	---

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 1) P/N: 902-122 Serie: L600XXX-XPQ
- 2) P/N: 903-117 Serie: L600XXX-XPQ
- 3) P/N: 883-057 Serie 153

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(1)	(2)	(3)	
Cadmium (Cd) content	58,493	25,093	ND	0,01% (100 ppm)
Lead (Pb) content	17,26	5,70	19,038	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0,210	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 4) P/N: 902-140 Serie L600XXX-XPQ
- 5) P/N: 875-460 Serie 345
- 6) P/N: 883-050 Serie: 345 Int.

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(4)	(5)	(6)	
Cadmium (Cd) content	15,321	ND	ND	0,01% (100 ppm)
Lead (Pb) content	3,661	19,58	13,86	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	0,043	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 7) P/N: 882-426 Serie: 345 Int.
- 8) P/N: 883-048 Serie: 345 Int.
- 9) P/N: 883-055 Serie: 345 Int.

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(7)	(8)	(9)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	29,46	14,91	14,09	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 10) P/N: 912-296 Serie: 345 Int.
- 11) P/N: 070126 Serie: 345 Int.
- 12) P/N: 912-297 Serie: 345 Int.

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(10)	(11)	(12)	
Cadmium (Cd) content	39,706	41,600	39,210	0,01% (100 ppm)
Lead (Pb) content	23,431	25,500	22,193	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)



**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 13) P/N: 875-524 Serie: 345 Int.
- 14) P/N: 875-521 Serie: 345 Int.
- 15) P/N: 891-023 Serie: 345 Int.

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(13)	(14)	(15)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	36,80	50,11	27,73	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 16) P/N: 923-001 Serie: FLQ/BLF
- 17) P/N: 082394 Serie: KLKR
- 18) P/N: 082386 Serie: FLQ
- 19) P/N: 082342 Serie: SPF

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit #
	(16)	(17)	(18)	(19)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	7,584	11,300	7,882	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)

**TEST CONDUCTED**

One (1) group of submitted samples said to be :  
 20) (a) P/N: 0297005 WXNV Serie: 153 (Metal)  
 20) (b) P/N: 0297005 WXNV Serie: 153 (Plástico)  
 21) P/N: 868-069 Serie: L600XXX-XPQ  
 22) P/N: 057256 Serie: 345 Int.

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit #
	(20) a	(20) b	(21)	(22)	
Cadmium (Cd) content	2,210	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	13,39	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND *		ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	—	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	—	ND	ND	ND	—
Dibromobiphenyl (DiBB)	—	ND	ND	ND	—
Tribromobiphenyl (TriBB)	—	ND	ND	ND	—
Tetrabromobiphenyl (TetraBB)	—	ND	ND	ND	—
Pentabromobiphenyl (PentaBB)	—	ND	ND	ND	—
Hexabromobiphenyl (HexaBB)	—	ND	ND	ND	—
Heptabromobiphenyl (HeptaBB)	—	ND	ND	ND	—
Octabromobiphenyl (OctaBB)	—	ND	ND	ND	—
Nonabromobiphenyl (NonaBB)	—	ND	ND	ND	—
Decabromobiphenyl (DecaBB)	—	ND	ND	ND	—
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	—	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	—	ND	ND	ND	—
Dibromodiphenyl (DiBDE)	—	ND	ND	ND	—
Tribromodiphenyl (TriBDE)	—	ND	ND	ND	—
Tetrabromodiphenyl (TetraBDE)	—	ND	ND	ND	—
Pentabromodiphenyl (PentaBDE)	—	ND	ND	ND	—
Hexabromodiphenyl (HexaBDE)	—	ND	ND	ND	—
Heptabromodiphenyl (HeptaBDE)	—	ND	ND	ND	—
Octabromodiphenyl (OctaBDE)	—	ND	ND	ND	—
Nonabromodiphenyl (NonaBDE)	—	ND	ND	ND	—
Decabromodiphenyl (DecaBDE)	—	ND	ND	ND	—

(\*) NOTA: Se analizó muestra compuesta.



**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 23) P/N: 057838 Serie: 345 Int.
- 24) P/N: 153007-4 Serie: 153
- 25) P/N: 885-018 Serie: 153

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(23)	(24)	(25)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	ND	ND	---
Dibromobiphenyl (DiBB)	ND	ND	ND	---
Tribromobiphenyl (TriBB)	ND	ND	ND	---
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	---
Pentabromobiphenyl (PentaBB)	ND	ND	ND	---
Hexabromobiphenyl (HexaBB)	ND	ND	ND	---
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	---
Octabromobiphenyl (OctaBB)	ND	ND	ND	---
Nonabromobiphenyl (NonaBB)	ND	ND	ND	---
Decabromobiphenyl (DecaBB)	ND	ND	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	ND	ND	---
Dibromodiphenyl (DiBDE)	ND	ND	ND	---
Tribromodiphenyl (TriBDE)	ND	ND	ND	---
Tetrabromodiphenyl (TetraBDE)	ND	ND	ND	---
Pentabromodiphenyl (PentaBDE)	ND	ND	ND	---
Hexabromodiphenyl (HexaBDE)	ND	ND	ND	---
Heptabromodiphenyl (HeptaBDE)	ND	ND	ND	---
Octabromodiphenyl (OctaBDE)	ND	ND	ND	---
Nonabromodiphenyl (NonaBDE)	ND	ND	ND	---
Decabromodiphenyl (DecaBDE)	ND	ND	ND	---

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 26) P/N: 3453RF1-1 Serie: 345 Int.
- 27) P/N: 057277 Serie: 345 Int.
- 28) P/N: 909-161 / 909-171 Serie: FLQ/SPE

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(26)	(27)	(28)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	ND	ND	---
Dibromobiphenyl (DiBB)	ND	ND	ND	---
Tribromobiphenyl (TriBB)	ND	ND	ND	---
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	---
Pentabromobiphenyl (PentaBB)	ND	ND	ND	---
Hexabromobiphenyl (HexaBB)	ND	ND	ND	---
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	---
Octabromobiphenyl (OctaBB)	ND	ND	ND	---
Nonabromobiphenyl (NonaBB)	ND	ND	ND	---
Decabromobiphenyl (DecaBB)	ND	ND	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	ND	ND	---
Dibromodiphenyl (DiBDE)	ND	ND	ND	---
Tribromodiphenyl (TriBDE)	ND	ND	ND	---
Tetrabromodiphenyl (TetraBDE)	ND	ND	ND	---
Pentabromodiphenyl (PentaBDE)	ND	ND	ND	---
Hexabromodiphenyl (HexaBDE)	ND	ND	ND	---
Heptabromodiphenyl (HeptaBDE)	ND	ND	ND	---
Octabromodiphenyl (OctaBDE)	ND	ND	ND	---
Nonabromodiphenyl (NonaBDE)	ND	ND	ND	---
Decabromodiphenyl (DecaBDE)	ND	ND	ND	---

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1<sup>o</sup> Emisión Junio 2005, 1<sup>o</sup> Revisión Junio 26, 2009.

ILTA/003/GENS-F8



**TEST CONDUCTED**

One (1) group of submitted samples said to be :

29) P/N: 901-182 Serie: KLKR/BLS

30) P/N: 901-134 Serie: 345

31) P/N: 087284 Serie: SPE

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit #
	(29)	(30)	(31)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	ND	ND	---
Dibromobiphenyl (DiBB)	ND	ND	ND	---
Tribromobiphenyl (TriBB)	ND	ND	ND	---
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	---
Pentabromobiphenyl (PentaBB)	ND	ND	ND	---
Hexabromobiphenyl (HexaBB)	ND	ND	ND	---
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	---
Octabromobiphenyl (OctaBB)	ND	ND	ND	---
Nonabromobiphenyl (NonaBB)	ND	ND	ND	---
Decabromobiphenyl (DecaBB)	ND	ND	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs)</b>	ND	ND	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	ND	ND	ND	---
Dibromodiphenyl (DiBDE)	ND	ND	ND	---
Tribromodiphenyl (TriBDE)	ND	ND	ND	---
Tetrabromodiphenyl (TetraBDE)	ND	ND	ND	---
Pentabromodiphenyl (PentaBDE)	ND	ND	ND	---
Hexabromodiphenyl (HexaBDE)	ND	ND	ND	---
Heptabromodiphenyl (HeptaBDE)	ND	ND	ND	---
Octabromodiphenyl (OctaBDE)	ND	ND	ND	---
Nonabromodiphenyl (NonaBDE)	ND	ND	ND	---
Decabromodiphenyl (DecaBDE)	ND	ND	ND	---

ppm = parts per million based on dry weight of sample.  
 $\mu\text{g}/\text{cm}^2$  = microgram per square centimeter.  
 $\text{mg}/\text{kg WITH } 50\text{cm}^2$  = milligram per kilogram with 50 square centimeter.  
< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA  $\Omega$ .

Prepared and checked by :  
For Intertek

Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).

NOTE :DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN TH E BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-1 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-2 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-3 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-4 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-5 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-6 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-7 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-8 WERE TESTED TOGETHER.



REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-9 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-10 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-11 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-12 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-13 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-14 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-15 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-16 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-17 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-18 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-19 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-20 WERE TESTED SEPARATELY.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-21 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-22 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-23 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-24 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-25 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-26 WERE TESTED TOGETHER.



REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-27 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-28 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-29 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-30 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 928-31 WERE TESTED TOGETHER.

**Test method :**

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
	Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA Panasonic (HACH), by EPA Panasonic (HACH) (Sample 1,4) With reference to USEPA 3060, by EPA 7196	BAL827p85 BEQ160p5b	(Sample 1,4) 2010-05-04 2010-05-01,03	MELA,JLHS	0,020 2,0

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
	POLYBROMINATED BIPHENYLS (PBBs)	Determined by GC-MSD	2010-004440-P CL	2010-04-28 2010-05-22	CONT	50*
	POLYBROMINATED DIPHENYL ETHERS (PBDEs)	Determined by GC-MSD	2010-004440-P CL	2010-04-28 2010-05-22	CONT	50*

\*\*\*\*\*



No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
1	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	6,85
2	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	3,09
3	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,808
4	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	1,79
5	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,630
6	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	5,000
7	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,902
8	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	5,102
9	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	5,000
10	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	9,800
11	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	10,000
12	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p59	2010-04-29	MARY,DCL	8,77
13	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,808
14	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,717
15	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,464
16	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,902
17	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	5,000
18	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,808
19	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	4,902
20 (a)	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	9,43
20 (b)	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,630
21	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	5,435
22	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902
23	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	5,0
24	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,717
25	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	5,319
26	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902
27	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902
28	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,717
29	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,717
30	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902
31	Lead (Pb) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	4,902

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1<sup>o</sup> Emisión Junio 2005, 1<sup>o</sup> Revisión Junio 26, 2009.

ILTA/003/GENS-FB

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No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
1	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,369
2	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	0,617
3	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,923
4	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	0,357
5	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,852
6	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,000
7	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,961
8	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,041
9	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,000
10	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,961
11	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,000
12	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,754
13	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,923
14	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,887
15	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,786
16	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,961
17	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	2,000
18	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,923
19	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,961
20 (a)	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p59	2010-04-29	MARY,DCL	1,887
20 (b)	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,852
21	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	2,174
22	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961
23	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	2,000
24	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,887
25	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	2,128
26	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961
27	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961
28	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,887
29	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,887
30	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961
31	Cadmium (Cd) content	With reference to USEPA 3052MOD, by EPA 6010	MET2010-4p60	2010-04-29	MARY,DCL	1,961

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1<sup>o</sup> Emisión Junio 2005, 1<sup>a</sup> Revisión Junio 26, 2009.

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No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
1	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0685
2	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0303
3	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
4	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0178
5	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0833
6	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0781
7	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
8	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0781
9	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0758
10	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0794
11	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0794
12	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0781
13	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0806
14	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0794
15	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0758
16	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,045
17	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,0758
18	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
19	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
20 (a)	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p61	2010-04-30	UBM	0,082
20(b)	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0806
21	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,082
22	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0746
23	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0806
24	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0833
25	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0781
26	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0781
27	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0833
28	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0746
29	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0714
30	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0833
31	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-8p2	2010-04-30	UBM	0,0794

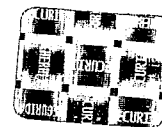
**RESULTS REPORT****INTERTEK TESTING SERVICES****DE MEXICO SA DE CV****LABORATORIO CD. DE MEXICO**

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ILTA/003/GENS-F8

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## TEST REPORT

### APPLICANT

Littelfuse, S.A. de C.V.

Bvd.-Fausto Z. Martínez 1800, Col.-Magisterio Sección 38, Piedras Negras, Coahuila

Ing. Mario Falcón / Ing. Manuel Berain

### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description

NP

1) 082363

2) 923-080

3) 927-331

4) 909-161

5) 901-182

6) 090169

7) 927-293

8) 882-808

9) 920-521-004

10) 920-522-004

Item No.

11) 927-062

12) 882-724-000

13) 882-785

14) 900-087

15) 909-570

16) 923-092-000A

17) 090190

18) 692469

19) 87280

Country of Origin NP

Buyer's Name NP

Supplier's Name NP

Date sample received 2010-07-08

Testing period 2010-07-12 to 2010-07-19

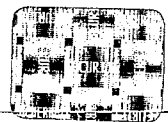
\*\*\*\*\*

### TEST CONDUCTED

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

### CONCLUSION



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	Testing item	Conclusion	Failed component	Failed result
1	082363	Pass See Result summary	---	---
2	923-080	Pass See Result summary	---	---
3	927-331	Pass See Result summary	---	---
4	909-161	Pass See Result summary	---	---
5	901-182	Pass See Result summary	---	---
6	090169	Pass See Result summary	---	---
7	927-293	Pass See Result summary	---	---
8	882-808	Pass See Result summary	---	---
9	920-521-004	Pass See Result summary	---	---
10	920-522-004	Pass See Result summary	---	---
11	927-062	Pass See Result summary	---	---
12	882-724-000	Pass See Result summary	---	---
13	882-785	Pass See Result summary	---	---
14	900-087	Pass See Result summary	---	---
15	909-570	Pass See Result summary	---	---
16	923-092-000A	Pass See Result summary	---	---
17	090190	Pass See Result summary	---	---
18	692469	Pass See Result summary	---	---
19	87280	Pass See Result summary	---	---

\*\*\*\*\*



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000003

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**TEST CONDUCTED**

Samples:

1)	082363
2)	923-080
3)	927-331
4)	909-161

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit
	(1)	(2)	(3)	(4)	
Cadmium (Cd) content	ND	ND	5,41	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	267,7	ND	0,1% (1000 ppm)
Mercury (Hg) content	0,09	0,127	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs) Total</b>	---	---	---	ND	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	---	---	---	ND	---
Dibromobiphenyl (DiBB)	---	---	---	ND	---
Tribromobiphenyl (TriBB)	---	---	---	ND	---
Tetrabromobiphenyl (TetraBB)	---	---	---	ND	---
Pentabromobiphenyl (PentaBB)	---	---	---	ND	---
Hexabromobiphenyl (HexaBB)	---	---	---	ND	---
Heptabromobiphenyl (HeptaBB)	---	---	---	ND	---
Octabromobiphenyl (OctaBB)	---	---	---	ND	---
Nonabromobiphenyl (NonaBB)	---	---	---	ND	---
Decabromobiphenyl (DecaBB)	---	---	---	ND	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs) Total</b>	---	---	---	ND	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	---	---	---	19	---
Dibromodiphenyl (DiBDE)	---	---	---	25	---
Tribromodiphenyl (TriBDE)	---	---	---	ND	---
Tetrabromodiphenyl (TetraBDE)	---	---	---	ND	---
Pentabromodiphenyl (PentaBDE)	---	---	---	ND	---
Hexabromodiphenyl (HexaBDE)	---	---	---	ND	---
Heptabromodiphenyl (HeptaBDE)	---	---	---	ND	---
Octabromodiphenyl (OctaBDE)	---	---	---	ND	---
Nonabromodiphenyl (NonaBDE)	---	---	---	ND	---
Decabromodiphenyl (DecaBDE)	---	---	---	ND	---

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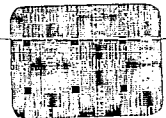
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000004

**TEST CONDUCTED**

Samples:

- 5) 901-182
- 6) 090169
- 7) 927-293
- 8) 882-808

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit
	(5)	(6)	(7)	(8)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	6,13	ND	234,9	15,56	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)

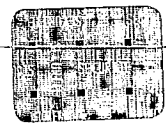
**TEST CONDUCTED**

Samples:

- 9) 920-521-004
- 10) 920-522-004
- 11) 927-062
- 12) 882-724-000

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit
	(9)	(10)	(11)	(12)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	276,3	27,50	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)



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**TEST CONDUCTED**

Samples:

- 13) 882-785
- 14) 900-087
- 15) 909-570
- 16) 923-092-000A

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)				Limit
	(13)	(14)	(15)	(16)	
Cadmium (Cd) content	75,7	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	ND	ND	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	0,217	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	ND	0,1% (1000 ppm)
<b>POLYBROMINATED BIPHENYLS (PBBs) Total</b>	---	---	ND	---	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	---	---	ND	---	---
Dibromobiphenyl (DiBB)	---	---	ND	---	---
Tribromobiphenyl (TriBB)	---	---	ND	---	---
Tetrabromobiphenyl (TetraBB)	---	---	ND	---	---
Pentabromobiphenyl (PentaBB)	---	---	ND	---	---
Hexabromobiphenyl (HexaBB)	---	---	ND	---	---
Heptabromobiphenyl (HeptaBB)	---	---	ND	---	---
Octabromobiphenyl (OctaBB)	---	---	ND	---	---
Nonabromobiphenyl (NonaBB)	---	---	ND	---	---
Decabromobiphenyl (DecaBB)	---	---	ND	---	---
<b>POLYBROMINATED DIPHENYL ETHERS (PBDEs) Total</b>	---	---	ND	---	0,1% (1000 ppm)
Monobromodiphenyl (MonoBDE)	---	---	19	---	---
Dibromodiphenyl (DiBDE)	---	---	26	---	---
Tribromodiphenyl (TriBDE)	---	---	ND	---	---
Tetrabromodiphenyl (TetraBDE)	---	---	ND	---	---
Pentabromodiphenyl (PentaBDE)	---	---	ND	---	---
Hexabromodiphenyl (HexaBDE)	---	---	ND	---	---
Heptabromodiphenyl (HeptaBDE)	---	---	ND	---	---
Octabromodiphenyl (OctaBDE)	---	---	ND	---	---
Nonabromodiphenyl (NonaBDE)	---	---	ND	---	---
Decabromodiphenyl (DecaBDE)	---	---	ND	---	---

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000006

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

- 17) 090190
- 18) 692469
- 19) 87280

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)			Limit
	(17)	(18)	(19)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	ND	173,1	ND	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	ND	0,1% (1000 ppm)

ppm = parts per million based on dry weight of sample.  
 µg/cm<sup>2</sup> = microgram per square centimeter.  
 mg/kg WITH 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter.  
 < = less than.  
 ND = Not detected.

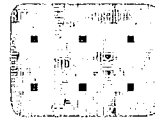
The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA Ω.

Prepared and checked by :

For Intertek

*Irma Lopez et al*  
*[Signature]*  
 coord de área



Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).





Report No.: MX10-0726-MOD – Serie KLKD

Date : 2010-05-07

**RESULTS REPORT**  
**INTERTEK TESTING SERVICES**  
**DE MEXICO SA DE CV**  
**LABORATORIO CD. DE MEXICO**

DELIVER TO:

Littelfuse, S.A. de C.V.

Blvd. Fausto Z Mtz. 1800, Col. Magisterio Secc. 38, Piedras  
Negras, Coahuila, C.P. 26070

ATTENTION: Ing. Mario Alberto Falcón

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### TEST REPORT

#### APPLICANT

Littelfuse, S.A. de C.V.  
Blvd. Fausto Z Mtz. 1800, Col. Magisterio Secc. 38, Piedras Negras, Coahuila, C.P. 26070

Ing. Mario Alberto Falcón

#### SAMPLE DESCRIPTION

One (1) group of submitted samples said to be :

Sample Description	NP
Item No.	28) Serie KLKD/JLLS Solder preform 927-296
	29) <span style="border: 1px solid red; padding: 2px;">Serie KLKD Solder overlay 692264</span>

Country of Origin	NP
Buyer's Name	NP
Supplier's Name	NP
Date sample received	2010-03-25
Testing period	2010-03-29 to 2010-04-23

\*\*\*\*\*

#### TEST CONDUCTED

As requested by the applicant, for details please refer to attached pages.

\*\*\*\*\*

#### CONCLUSION

Testing item	Conclusion	Failed component	Failed result
Serie KLKD/JLLS Solder preform 927-296	Pass See Result summary	---	---
<span style="border: 1px solid red; padding: 2px;">Serie KLKD Solder overlay 692264</span>	Pass See Result summary	---	<span style="border: 1px solid red; padding: 2px;">---</span>

\*\*\*\*\*

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Report No.: MX10-0726-MOD – Serie KLKD

Date : 2010-05-07

**TEST CONDUCTED**

One (1) group of submitted samples said to be :

28) Serie KLKD/JLLS Solder preform 927-296

29) Serie KLKD Solder overlay 692264

**TEST RESULT SUMMARY FOR RoHS DIRECTIVE :**

TESTING ITEM	Ω RESULT (ppm)		Limit
	(28)	(29)	
Cadmium (Cd) content	ND	ND	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	111,1	142,1	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	ND	0,1% (1000 ppm)

ppm = parts per million based on dry weight of sample.

µg/cm<sup>2</sup> = microgram per square centimeter.

mg/kg WITH 50cm<sup>2</sup> = milligram per kilogram with 50 square centimeter.

< = less than.

ND = Not detected.

The above limits were quoted from 2002/95/EC and amendment 2005/618/EC for homogeneous material.

These Accreditations only apply for the methods listed in such. Not accredited under EMA Ω.

Prepared and checked by :

For Intertek

*Irma Lopez de*  
*[Signature]*  
*[Signature]*

Laboratory Manager

The Official Mexican Standard NOM-008-SCFI-1993 establishes like separator decimal the comma (,).



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*[Signature]*  
*[Signature]*  
003



Report No.: MX10-0726-MOD – Serie KLKD  
Date : 2010-05-07

NOTE : DecaBDE IN POLYMERIC APPLICATIONS IS EXEMPTED ACCORDING TO ROHS DIRECTIVE AMENDMENT 2005/717/EC.

# =ACCORDING TO IEC 62321, A POSITIVE RESULT INDICATES THE PRESENCE OF Cr(VI) COATING. IT IS THE Cr(VI) CONCENTRATION DETECTED IN THE BOILING-WATER-EXTRACTION SOLUTION AND SHOULD NOT BE INTERPRETED AS THE Cr(VI) CONCENTRATION IN THE COATING LAYER OF THE SAMPLE.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 726-28 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10 726-29 WERE TESTED TOGETHER.

**Test method :**

Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
Chromium VI (Cr <sup>6+</sup> ) content	With reference to USEPA 3060, by EPA 7196	QHU2009-3p63	2010-04-06	MELAJLHS, MTCM	2,0

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
28	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	11,36
29	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	9,09

\*\*\*\*\*

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
28	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	2,273
29	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	1,818

\*\*\*\*\*

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
28	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0781
29	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0794

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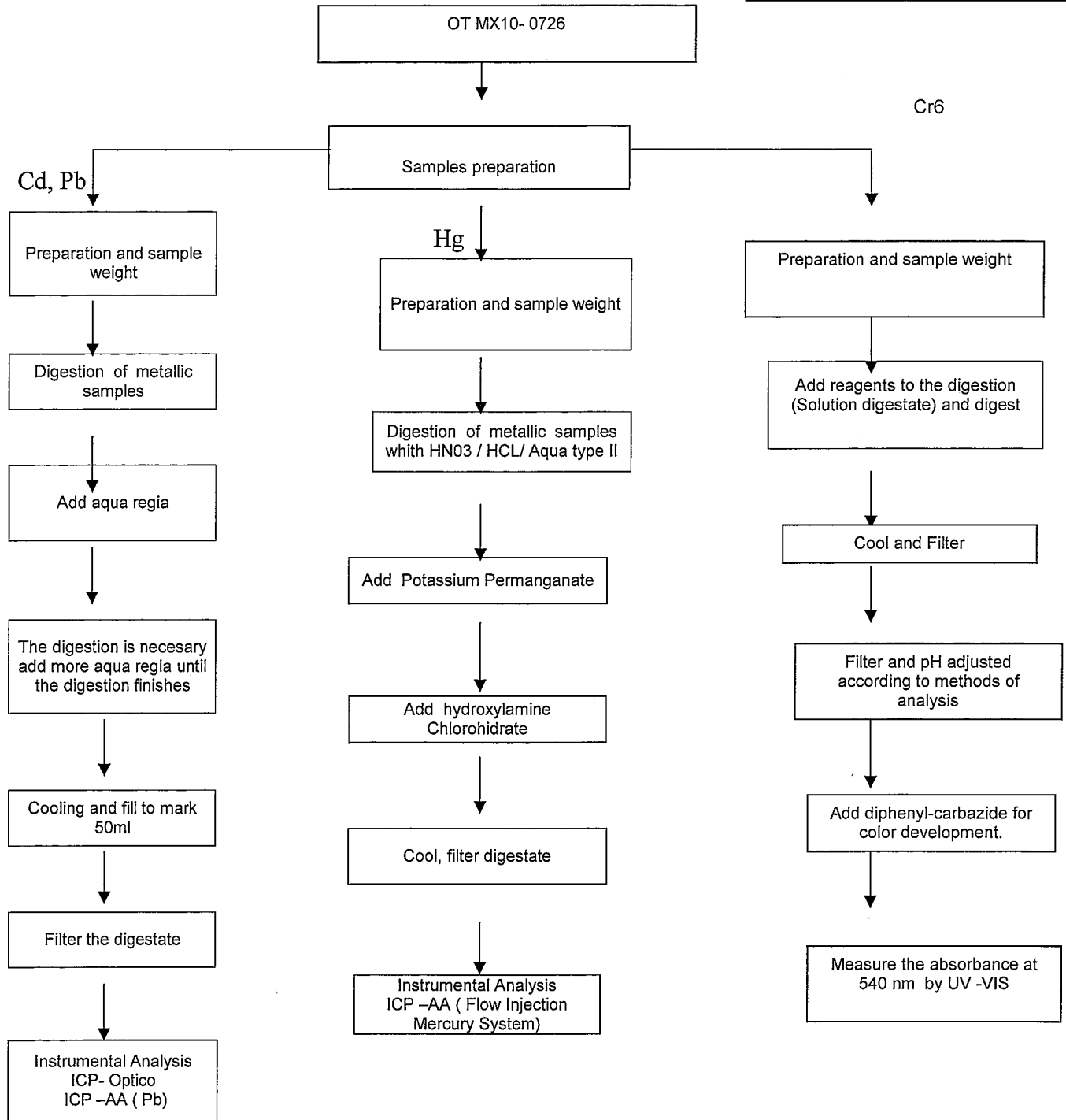
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**MX10-0726-29**

