

# ICP Test Report Certification Packet



**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	111 Series Clip	01110510Z	3-7
2	111 Series Clip	01110506Z	3-7
3	111 Series Clip	01110505Z	3-7
4	111 Series Clip	01110501Z	3-7

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

DELIVER TO: [Littelfuse, S.A. de C.V.](#)  
[Blvd. Fausto 2 mtz. 1800, Col. Magisterio Secc. 38, Piedras](#)  
[Negras, Coahuila, C.P. 26070](#)

ATTENTION: [Ing. Mario Alberto Falcón](#)

It is prohibited the total or partial reproduction of this document, as well as any modification or alteration in no of its parts without the previous authorization of Intertek Testing Services de México, S.A. de C.V. On the contrary Intertek reserves the right of coming from legal form against that (it is) they are responsible (s).

*The results that appear in this report belong solely to (s) shows (s) analyzed (s).*

1ª. Emisión Junio 2005, 1º 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)

## TEST REPORT

### APPLICANT

Littelfuse, S.A. de C.V.  
Blvd. Fausto 2 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. 13) Serie 111 clip 01110510Z  
14) Serie 111 clip 01110506Z  
15) Seire 111 clip 01110505Z  
16) Serie 111 clip 01110501Z

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

\*\*\*\*\*

### 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>
Serie 111 clip 01110510Z	Pass See Result summary	---	---
Serie 111 clip 01110506Z	Pass See Result summary	---	---
Serie 111 clip 01110505Z	Pass See Result summary	---	---
Serie 111 clip 01110501Z	Pass See Result summary	---	---

\*\*\*\*\*

It is prohibited the total or partial reproduction of this document, as well as any modification or alteration in no of its parts without the previous authorization of Intertek Testing Services de México, S.A. de C.V. On the contrary Intertek reserves the right of coming from legal form against that (it is) they are responsible (s).

*The results that appear in this report belong solely to (s) shows (s) analyzed (s).*

1ª. Emisión Junio 2005, 1º 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)

## TEST CONDUCTED

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

- 13) Serie 111 clip 01110510Z
- 14) Serie 111 clip 01110506Z
- 15) Serie 111 clip 01110505Z
- 16) Serie 111 clip 01110501Z

## TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	Ω RESULT (ppm)				Limit #
	(13)	(14)	(15)	(16)	
Cadmium (Cd) content	ND	ND	ND	ND	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	66,48	21,67	ND	86,47	0,1% (1000 ppm)
Chromium (VI) (Cr <sup>6+</sup> )	ND	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

Laboratory Manager

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

It is prohibited the total or partial reproduction of this document, as well as any modification or alteration in no of its parts without the previous authorization of Intertek Testing Services de México, S.A. de C.V. On the contrary Intertek reserves the right of coming from legal form against that (it is) they are responsible (s).

*The results that appear in this report belong solely to (s) shows (s) analyzed (s).*

1ª. Emisión Junio 2005, 1º 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)

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 726-13 WERE TESTED TOGETHER.

: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED  
COMPONENTS OF THE SAMPLE MX10 726-14 WERE TESTED TOGETHER

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF  
TESTED COMPONENTS OF THE SAMPLE MX10 726-15 WERE TESTED TOGETHER.

: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED  
COMPONENTS OF THE SAMPLE MX10 726-16 WERE TESTED TOGETHER

It is prohibited the total or partial reproduction of this document, as well as any modification or alteration in no of its parts  
without the previous authorization of Intertek Testing Services de México, S.A. de C.V. On the contrary Intertek  
reserves the right of coming from legal form against that (it is) they are responsible (s).

*The results that appear in this report belong solely to (s) shows (s) analyzed (s).*

1ª. Emisión Junio 2005, 1º 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)

**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	JLHS,MTCM	2,0

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
13	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,77
14	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,06
15	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,33
16	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p31	2010-04-23	VLM	8,77

\*\*\*\*\*

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
13	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,754
14	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,612
15	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,670
16	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p31	2010-04-05	DCL,JMR	1,754

\*\*\*\*\*

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
13	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0833
14	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0820
15	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0806
16	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p35	2010-04-01	UBM	0,0820

\*\*\*\*\*

It is prohibited the total or partial reproduction of this document, as well as any modification or alteration in no of its parts without the previous authorization of Intertek Testing Services de México, S.A. de C.V. On the contrary Intertek reserves the right of coming from legal form against that (it is) they are responsible (s).

*The results that appear in this report belong solely to (s) shows (s) analyzed (s).*

1ª. Emisión Junio 2005, 1º 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)