



ICP Test Report Certification Packet

Company name: Littelfuse, Inc.

Product Series: 3420001X

Product #: 3420001X

Issue Date: August 27, 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/packaging 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/packaging 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 3420001X Series 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 : under RoHS exemption 6c: Lead as an alloying element in copper not exceeding 4% lead by weight.



Table 1: List of Raw Materials covered by this report

Total Parts	Raw Material Part Number	Raw Material Description	Page(s)
1	886-004	Bottom Terminal	3-8
2	886-115	Side Terminal	3-8
3	891-004	Insert	3-8
4	901-002	Neoprene Washer	3-8
5	905-023	Lock Washer	3-8
6	922-055	Cap	3-8
7	912-249	Spring	9-17
8	057242	Body	18-20
9	903-012	Nut	21-24



Report No.: MX10-1675

Date : 2010-08-16

RESULTS REPORT

INTERTEK TESTING SERVICES

DE MEXICO SA DE CV

LABORATORIO CD. DE MEXICO

DELIVER TO:

Littelfuse, S.A. de C.V.

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

ATTENTION:

Ing. Mario Falcón / Ing. Manuel Berain

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.

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

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

www.intertek.com



Report No.: MX10-1675
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 342 0001X
	1) N.P. 886-004
	2) N.P. 886-115
	3) N.P. 891-004
Item No.	4) N.P. 901-002
	5) N.P. 905-023
	6) N.P. 922-055

Country of Origin	NP
Buyer's Name	NP
Supplier's Name	NP
Date sample received	2010-07-29
Testing period	2010-08-05 to 2010-08-12

TEST CONDUCTED

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

CONCLUSION

	Testing item	Conclusion	Failed component	Failed result
1	N.P. 886-004	Pass See Result summary	---	---
2	N.P. 886-115	Pass See Result summary	---	---
3	N.P. 891-004	Pass See Result summary	---	---
4	N.P. 901-002	Pass See Result summary	---	---
5	N.P. 905-023	Fail See Result summary	Lead	3081,0
6	N.P. 922-055	Pass See Result summary	---	---

TEST CONDUCTED

Samples:

- 1) N.P. 886-004
- 2) N.P. 886-115
- 3) N.P. 891-004

TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	Ω RESULT (ppm)			Limit
	(1)	(2)	(3)	
Cadmium (Cd) content	ND	ND	ND	0,01% (100 ppm)
Lead (Pb) content	42,60	28,59	71,00	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	ND	ND	ND	0,1% (1000 ppm)

TEST CONDUCTED

Samples:

- 4) N.P. 901-002
- 5) N.P. 905-023
- 6) N.P. 922-055

TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	Ω RESULT (ppm)			Limit
	(4)	(5)	(6)	
Cadmium (Cd) content	ND	40,36	ND	0,01% (100 ppm)
Lead (Pb) content	52,76	3081,0	29,32	0,1% (1000 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	ND	ND	ND	0,1% (1000 ppm)
POLYBROMINATED BIPHENYLS (PBBs) Total	ND	---	---	0,1% (1000 ppm)
Monobromobiphenyl (MonoBB)	ND	---	---	---
Dibromobiphenyl (DiBB)	21,0	---	---	---
Tribromobiphenyl (TriBB)	ND	---	---	---
Tetrabromobiphenyl (TetraBB)	ND	---	---	---
Pentabromobiphenyl (PentaBB)	ND	---	---	---
Hexabromobiphenyl (HexaBB)	ND	---	---	---
Heptabromobiphenyl (HeptaBB)	ND	---	---	---
Octabromobiphenyl (OctaBB)	ND	---	---	---
Nonabromobiphenyl (NonaBB)	ND	---	---	---
Decabromobiphenyl (DecaBB)	ND	---	---	---
POLYBROMINATED DIPHENYL ETHERS (PBDEs) Total	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	---	---	---

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

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

mg/kg WITH 50cm^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 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 MX10-1675-1 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1675-2 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1675-3 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1675-4 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1675-5 WERE TESTED TOGETHER.

REMARK : AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-1675-6 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>
1-6	Chromium VI (Cr ⁶⁺) content	With reference to USEPA 3060, by EPA 7196	QHU2009-3p159	2010-08-06	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	POLYBROMINATE D BIPHENYLS (PBBs)	Determined by GC-MSD	2010-004627-P CL	2010-08-12	▲ CONT	50,0
4	POLYBROMINATE D DIPHENYL ETHERS (PBDEs)	Determined by GC-MSD	2010-004627-P CL	2010-08-12	▲ 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 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	5,0
2	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	5,0
3	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	5,0
4	Lead (Pb) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p47	2010-08-12	DCL,JMR	5,0
5	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	5,0
6	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	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 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	2,0
2	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	2,0
3	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	2,0
4	Cadmium (Cd) content	With reference to USEPA 3052, by EPA 6010	MET2010-32p47	2010-08-12	DCL,JMR	2,0
5	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	DCL,JMR	2,0
6	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-32p46	2010-08-12	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	MET2010-31p17	2010-08-10	JAPM	0,083
2	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p18	2010-08-10	JAPM	0,083
3	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p18	2010-08-10	JAPM	0,083
4	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p15	2010-08-10	JAPM	0,083
5	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p18	2010-08-10	JAPM	0,083
6	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-31p18	2010-08-10	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 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

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
	40) Serie 342 Body 340031-1
	41) Serie 342 Body 342006-1
	42) Serie 342 Rivet 904-228-002
Item No.	43) Serie 342 Spring 912-249
	44) Serie 342 Insert 342004-6
	45) Serie 342 Valox DR48-057259
	46) Serie 342 Clip 883-030

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

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

TEST CONDUCTED

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

CONCLUSION

Testing item	Conclusion	Failed component	Failed result
Serie 342 Body 340031-1	Pass See Result summary	---	---
Serie 342 Body 342006-1	Pass See Result summary	---	---
Serie 342 Rivet 904-228-002	Pass See Result summary	---	---
Serie 342 Spring 912-249	Pass See Result summary	---	---
Serie 342 Insert 342004-6	Pass See Result summary	---	---
Serie 342 Valox DR48-057259	failed See Result summary	Cadmium	1740,0 mg/kg
Serie 342 Clip 883-030	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, 1ª Revisión Junio 26, 2009.

ILTA/003/GENS-F8

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

www.intertek.com

003

TEST CONDUCTED

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

- 40) Serie 342 Body 340031-1
- 41) Serie 342 Body 342006-1
- 42) Serie 342 Rivet 904-228-002
- 43) Serie 342 Spring 912-249
- 44) Serie 342 Insert 342004-6
- 45) Serie 342 Valox DR48-057259
- 46) Serie 342 Clip 883-030

TEST RESULT SUMMARY FOR RoHS DIRECTIVE :

TESTING ITEM	Ω RESULT (ppm)				Limit
	(40)	(41)	(42)	(43)	
Cadmium (Cd) content	ND	ND	ND	37,11	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	12,17	11,46	4,044	24,38	0,1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	ND	ND	ND	ND	0,1% (1000 ppm)

TESTING ITEM	Ω RESULT (ppm)			Limit
	(44)	(45)	(46)	
Cadmium (Cd) content	ND	1740	ND	0,01% (100 ppm)
Mercury (Hg) content	ND	ND	ND	0,1% (1000 ppm)
Lead (Pb) content	47,95	ND	68,16	0,1% (1000 ppm)
Chromium (VI) (Cr ⁶⁺)	ND	ND	ND	0,1% (1000 ppm)

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

µg/cm² = microgram per square centimeter.

mg/kg WITH 50cm² = 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

[Signature]
Laboratory Manager



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, 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

004

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 MX10-0726-40 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-41 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-42 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-43 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-44 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-45 WERE TESTED TOGETHER.

REMARK: AS REQUESTED BY THE APPLICANT, COATING WITH BASE MATERIAL OF TESTED COMPONENTS OF THE SAMPLE MX10-0726-46 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, 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

Test method :

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

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
40	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p33	2010-04-23	VLM	9,80
41	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p33	2010-04-23	VLM	9,43
42	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p32	2010-04-23	VLM	4,59
43	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p32	2010-04-23	VLM	9,62
44	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p32	2010-04-23	VLM	4,31
45	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p33	2010-04-23	VLM	9,43
46	Lead (Pb) content	With reference to USEPA 3050MOD, by EPA 7420	MET2010-4p32	2010-04-23	VLM	14,29

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
40	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p33	2010-04-05	DCL,JMR	1,961
41	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p33	2010-04-05	DCL,JMR	1,887
42	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	0,917
43	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	1,923
44	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	0,862
45	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p33	2010-04-05	DCL,JMR	1,887
46	Cadmium (Cd) content	With reference to USEPA 3050MOD, by EPA 6010	MET2010-4p32	2010-04-05	DCL,JMR	2,857

No. de Muestra	Testing item	Ω Testing method	Quality control Batch:	Analysis Date:	Analyzed By:	Reporting limit ppm
40	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p37	2010-04-01	UBM	0,0794
41	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p37	2010-04-01	UBM	0,0806
42	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0472
43	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0769
44	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	2010-04-01	UBM	0,0431
45	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p37	2010-04-01	UBM	0,082
46	Mercury (Hg) content	With reference to USEPA 7471 by USEPA 7471	MET2010-4p36	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.

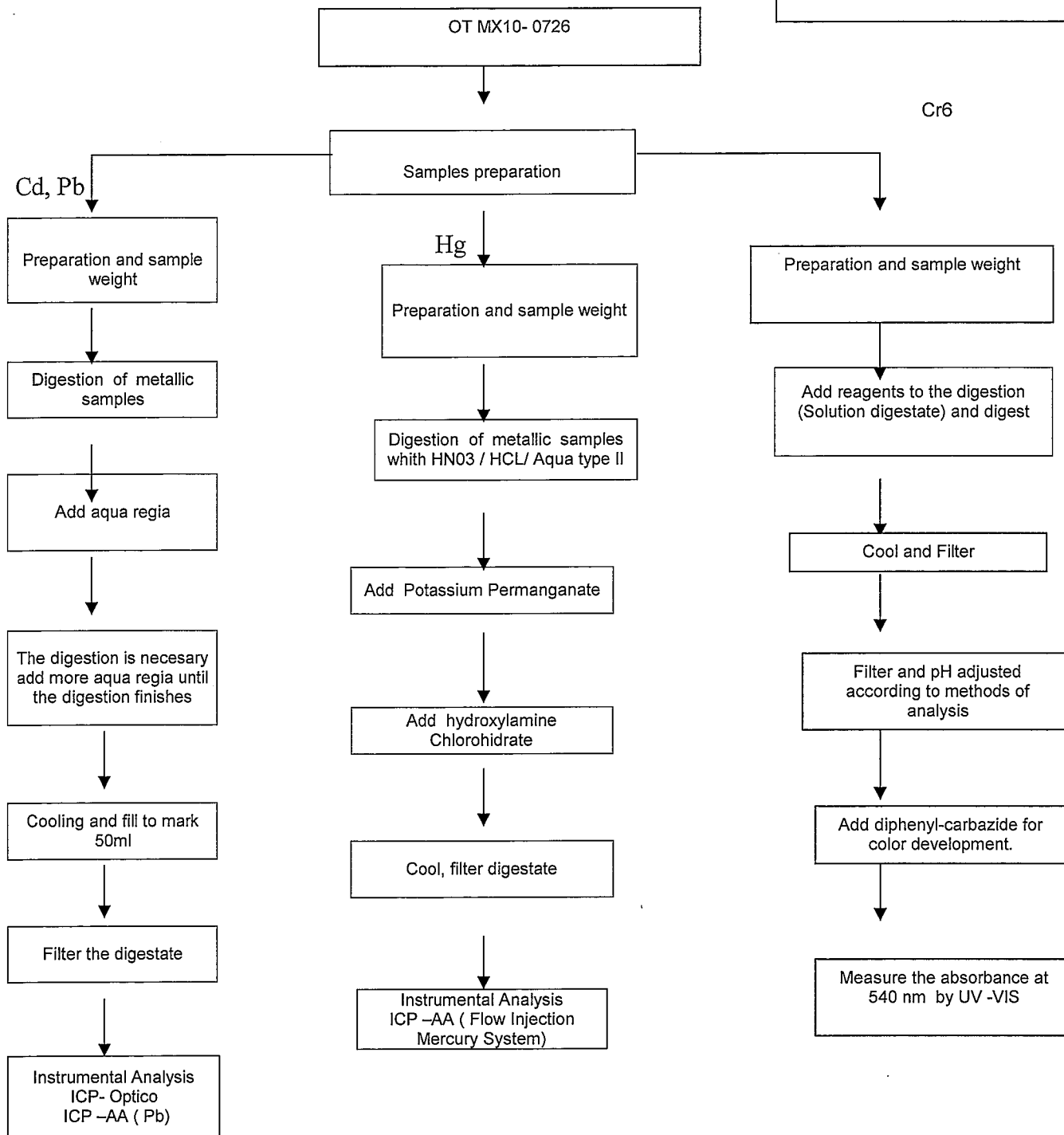
ILTA/003/GENS-F8

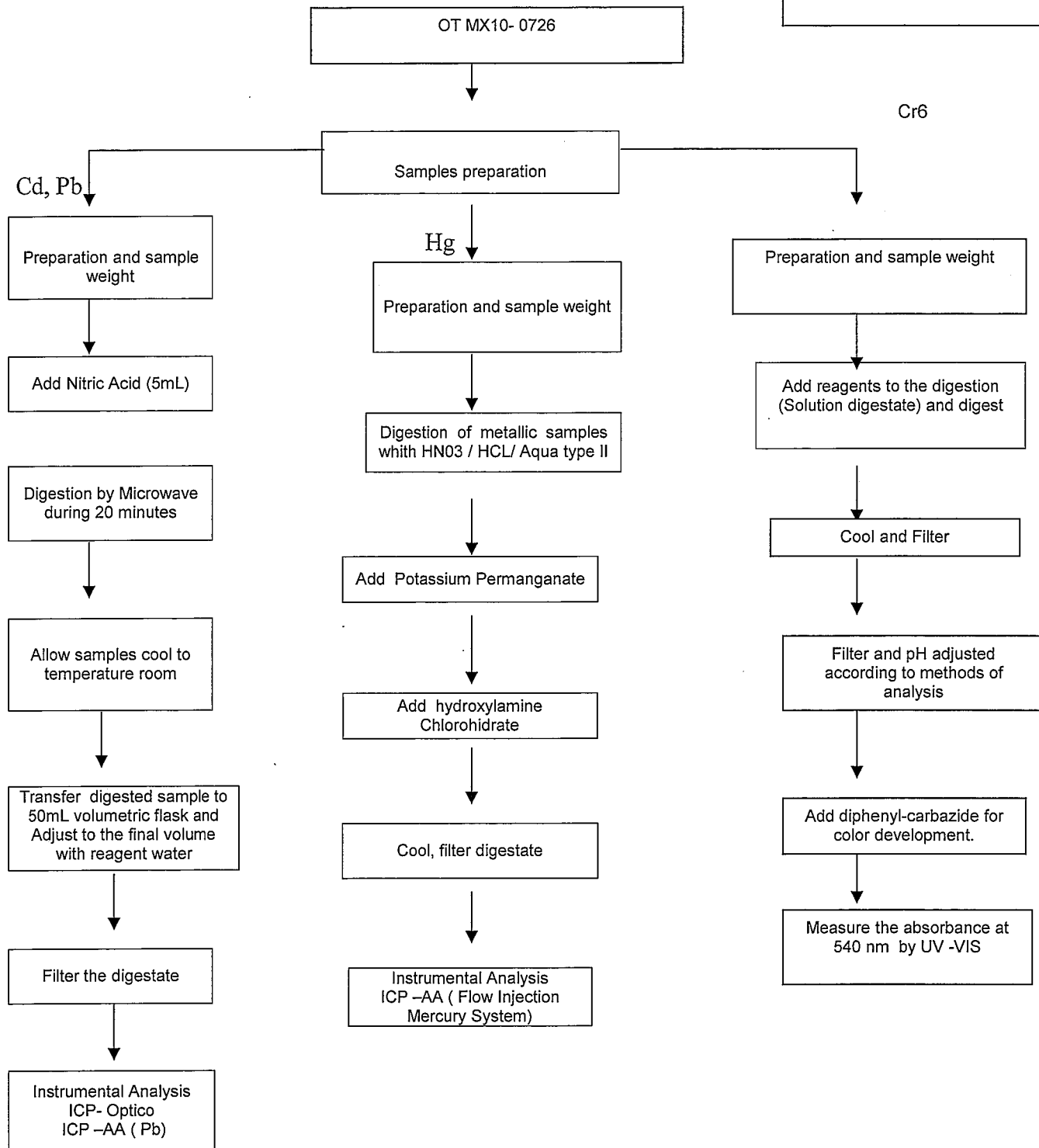
Intertek Testing Services de México, S.A. de C.V.

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

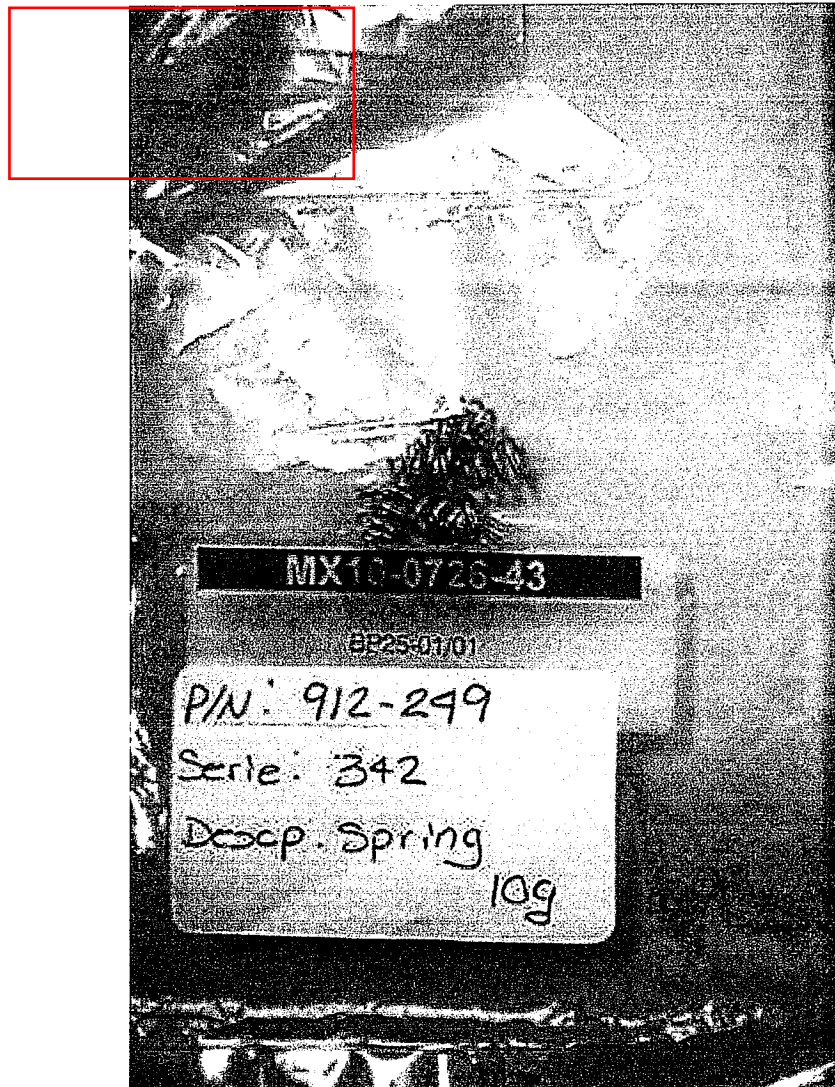
www.intertek.com

006





MX10-0726-43



Test Report

No. : CE/2007/36963

Date : 2007/03/29

Page : 1 of 3

LITTELFUSE INC.
800 E. NORTHWEST HWY. DES PLAINES, IL 60016



The following sample(s) was/were submitted and identified by/on behalf of the client as :


Sample Description : MOLDING COMPOUND
Style/Item No. : 057242
Facility : MEXICO
Sample Receiving Date : 2007/03/22
Testing Period : 2007/03/22 TO 2007/03/29

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321, Ed.1 111/54/CDV
Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.

- (1) Determination of Cadmium by ICP-AES.
- (2) Determination of Lead by ICP-AES.
- (3) Determination of Mercury by ICP-AES.
- (4) Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.
- (5) Determination of PBB and PBDE by GC/MS.

Test Result(s) : Please refer to next page(s).


Daniel Yeh, M.R. / Operation Manager
Signed for and on behalf of
SGS TAIWAN LTD.



Test Report

No. : CE/2007/36963

Date : 2007/03/29

Page : 2 of 3

LITTELFUSE INC.
800 E. NORTHWEST HWY. DES PLAINES, IL 60016



Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result	MDL
		No.1	
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	n.d.	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	2
Sum of PBBs	(5)	n.d.	-
Monobromobiphenyl		n.d.	5
Dibromobiphenyl		n.d.	5
Tribromobiphenyl		n.d.	5
Tetrabromobiphenyl		n.d.	5
Pentabromobiphenyl		n.d.	5
Hexabromobiphenyl		n.d.	5
Heptabromobiphenyl		n.d.	5
Octabromobiphenyl		n.d.	5
Nonabromobiphenyl		n.d.	5
Decabromobiphenyl		n.d.	5
Sum of PBDEs (Mono to Nona) (Note 4)		n.d.	-
Monobromobiphenyl ether		n.d.	5
Dibromobiphenyl ether		n.d.	5
Tribromobiphenyl ether		n.d.	5
Tetrabromobiphenyl ether		n.d.	5
Pentabromobiphenyl ether		n.d.	5
Hexabromobiphenyl ether		n.d.	5
Heptabromobiphenyl ether		n.d.	5
Octabromobiphenyl ether		n.d.	5
Nonabromobiphenyl ether		n.d.	5
Decabromobiphenyl ether		n.d.	5
Sum of PBDEs (Mono to Deca)		n.d.	-

TEST PART DESCRIPTION:

NO.1 : BLACK PLASTIC

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. According to 2005/717/EC DecaBDE is exempt.

5. "-" = Not Regulated

Test Report

No. : CE/2007/36963

Date : 2007/03/29

Page : 3 of 3

LITTELFUSE INC.

800 E. NORTHWEST HWY. DES PLAINES, IL 60016



** End of Report **

Test Report

No. : CE/2007/60644

Date : 2007/06/07

Page : 1 of 4

LITTELFUSE INC.

800 E. NORTHWEST HWY. DES PLAINES, IL 60016



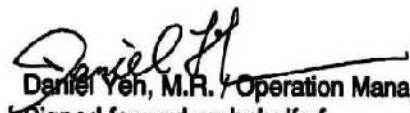
The following sample(s) was/were submitted and identified by/on behalf of the client as :

Sample Description : NUT
 Style/Item No. : 903-012
 Facility : PIEDRAS
 Sample Receiving Date : 2007/06/04
 Testing Period : 2007/06/04 TO 2007/06/07

Test Requested : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

Test Method : With reference to IEC 62321, Ed.1 111/54/CDV
 Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products.
 (1) Determination of Cadmium by ICP-AES.
 (2) Determination of Lead by ICP-AES.
 (3) Determination of Mercury by ICP-AES.
 (4) Determination of Hexavalent Chromium for metallic samples by Spot test / Colorimetric Method.

Test Result(s) : Please refer to next page(s).


 Daniel Yeh, M.R. / Operation Manager
 Signed for and on behalf of
 SGS TAIWAN LTD.
 Chemical Laboratory - Taipei



Test Report

No. : CE/2007/60644

Date : 2007/06/07

Page : 2 of 4

LITTELFUSE INC.

800 E. NORTHWEST HWY. DES PLAINES, IL 60016



Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result	MDL
		No.1	
Cadmium (Cd)	(1)	n.d.	2
Lead (Pb)	(2)	n.d.	2
Mercury (Hg)	(3)	n.d.	2
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	(4)	Positive	See Note 4

TEST PART DESCRIPTION:

NO.1 : BRASS COLORED METAL NUT

Note : 1. mg/kg = ppm

2. n.d. = Not Detected

3. MDL = Method Detection Limit

4. Spot-test:

Negative = Absence of Cr(VI) coating / surface layer,

Positive = Presence of Cr(VI) coating / surface layer;

(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)

Boiling-water-extraction:

Negative = Absence of Cr(VI) coating / surface layer.

Positive = Presence of Cr(VI) coating / surface layer;

the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.

Test Report

No. : CE/2007/60644

Date : 2007/06/07

Page : 3 of 4

LITTELFUSE INC.

800 E. NORTHWEST HWY. DES PLAINES, IL 60016

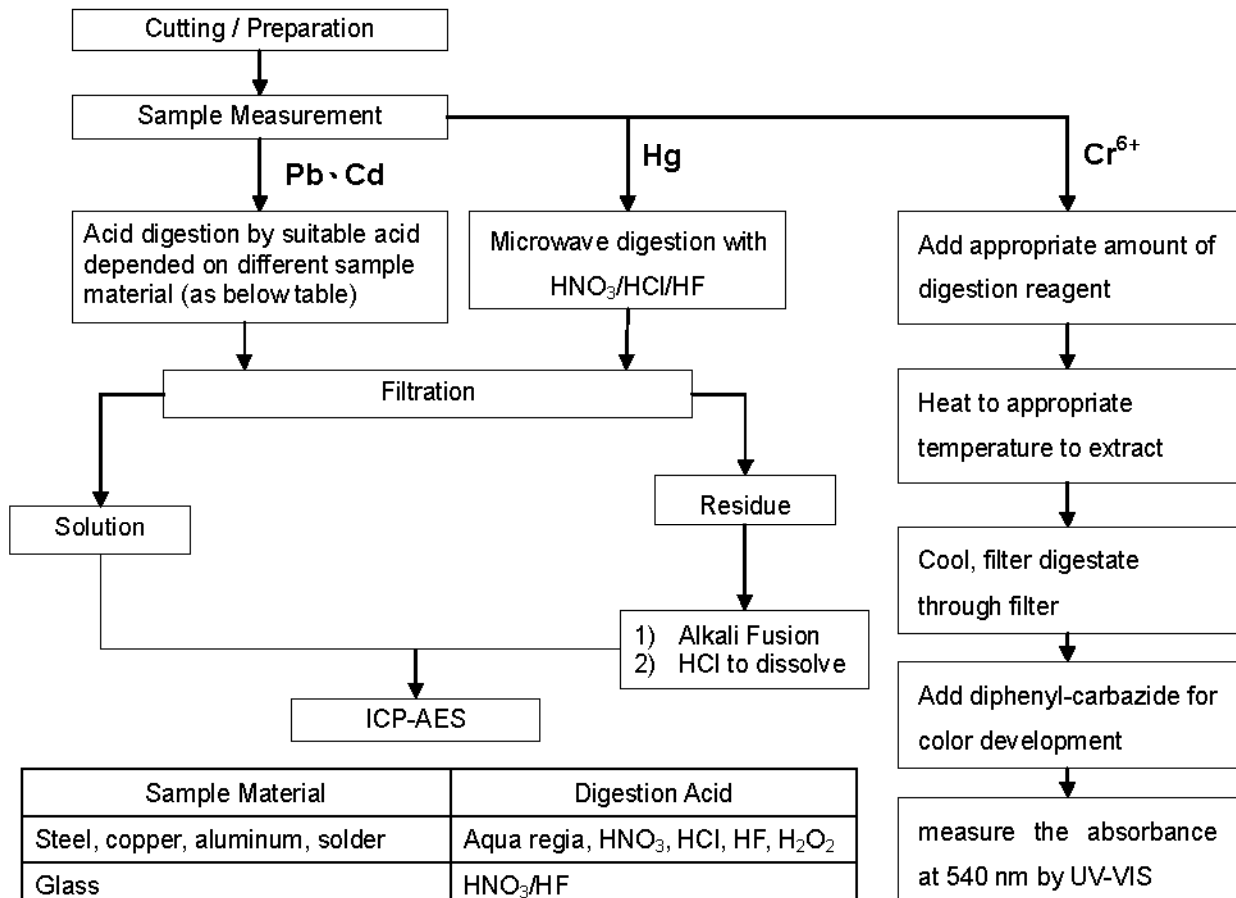


1) These samples were dissolved totally by pre-conditioning method according to below flow chart.

(Cr⁶⁺ test method excluded)

2) Name of the person who made measurement: Troy Chang

3) Name of the person in charge of measurement: Daniel Yeh



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO ₃ , HCl, HF, H ₂ O ₂
Glass	HNO ₃ /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO ₃
Plastic	H ₂ SO ₄ , H ₂ O ₂ , HNO ₃ , HCl
Others	Any acid to total digestion

Test Report

No. : CE/2007/60644

Date : 2007/06/07

Page : 4 of 4

LITTELFUSE INC.

800 E. NORTHWEST HWY. DES PLAINES, IL 60016



** End of Report **