

Test Report

No.: CANEC23015166901

Date: Dec 07, 2023

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Client Name: Uniroyal Electronics Industry Co., Ltd

Client Address: 88 Longteng Road, Economic & Technical Development Zone, Kunshan City, Jiangsu, CHINA

Sample Name: Chip Resistors

Buyer: Uniroyal Electronics Industry Co., Ltd

Supplier: Uniroyal Electronics Industry Co., Ltd
 Aeon Technology Corporation
 Uniroyal Electronics Industry Co., Ltd
 Aeon Technology Corporation Co.,Ltd
 Royal Electronic Factory (Thailand) Co.,Ltd
 Royal Technology (Thailand) Co.,Ltd
 UNUSTECHNOLOGY CORPORATION

The above sample(s) and information were provided by the client.

SGS Job No.: XMP23-001923

Sample Receiving Date: Nov 28, 2023

Testing Period: Nov 28, 2023 ~ Dec 05, 2023

Test Requested: Select test(s) as requested by the client.

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

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

Test Requirement	Conclusion
End-of Life Vehicles Directive (2000/53/EC) and its amendment directives	Pass
Flame Retardants	See Results

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Jessie Li

Jessie-JX Li
 Approved Signatory

scan to see the report



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SGS-CSTC Standards Technical Services Co., Ltd.
 Guangzhou Branch

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Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN23-0151669-0001.C001	"Chip Resistors"

Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

End-of Life Vehicles Directive (2000/53/EC) and its amendment directives

Test Method: (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 (3) With reference to IEC 62321-4:2013+AMD1:2017, determination of Mercury by ICP-OES.
 (4) With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis and/or with reference to IEC 62321-5:2013, determination of Chromium by ICP-OES.

Test Item(s)	Limit	Unit(s)	MDL	A1
Cadmium(Cd)	100	mg/kg	2	ND
Lead(Pb)	1000	mg/kg	2	1635 [▲]
Mercury(Hg)	1000	mg/kg	2	ND
Hexavalent Chromium(CrVI)	1000	mg/kg	8	ND
Conclusion				Pass

Notes:

- (1) The maximum permissible limit is quoted from End-of Life Vehicles Directive (2000/53/EC) and its amendment directives.
- (2) The result of Hexavalent Chromium (Cr(VI)) is "ND" as the result of Chromium (Cr) is "ND", and confirmation test of Hexavalent Chromium (Cr(VI)) is not required.
- (3) If the Chromium (Cr) content is greater than of Hexavalent Chromium (Cr(VI)) MDL, confirmation test of Hexavalent Chromium (Cr(VI)) is required.

Flame Retardants

Test Method: With reference to IEC 62321-6:2015, analysis was performed by GC-MS.

Test Item(s)	Unit(s)	MDL	A1
Sum of PBBs	mg/kg	-	ND
Monobromobiphenyl	mg/kg	5	ND
Dibromobiphenyl	mg/kg	5	ND
Tribromobiphenyl	mg/kg	5	ND
Tetrabromobiphenyl	mg/kg	5	ND
Pentabromobiphenyl	mg/kg	5	ND
Hexabromobiphenyl	mg/kg	5	ND
Heptabromobiphenyl	mg/kg	5	ND
Octabromobiphenyl	mg/kg	5	ND



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Test Item(s)	Unit(s)	MDL	A1
Nonabromobiphenyl	mg/kg	5	ND
Decabromobiphenyl	mg/kg	5	ND
Sum of PBDEs	mg/kg	-	ND
Monobromodiphenyl ether	mg/kg	5	ND
Dibromodiphenyl ether	mg/kg	5	ND
Tribromodiphenyl ether	mg/kg	5	ND
Tetrabromodiphenyl ether	mg/kg	5	ND
Pentabromodiphenyl ether	mg/kg	5	ND
Hexabromodiphenyl ether	mg/kg	5	ND
Heptabromodiphenyl ether	mg/kg	5	ND
Octabromodiphenyl ether	mg/kg	5	ND
Nonabromodiphenyl ether	mg/kg	5	ND
Decabromodiphenyl ether	mg/kg	5	ND

Remark ▲: According to the declaration from the client, Lead (Pb) in specimen is exempted by EU directive 2000/53/EC and its subsequent amendments based on: 10a. Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: — glass in bulbs and glaze of spark plugs, — dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d). Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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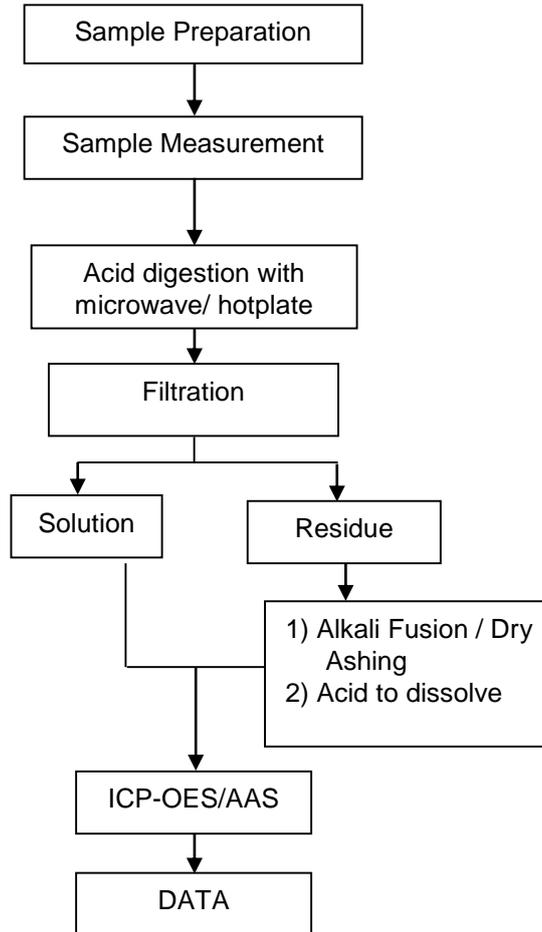
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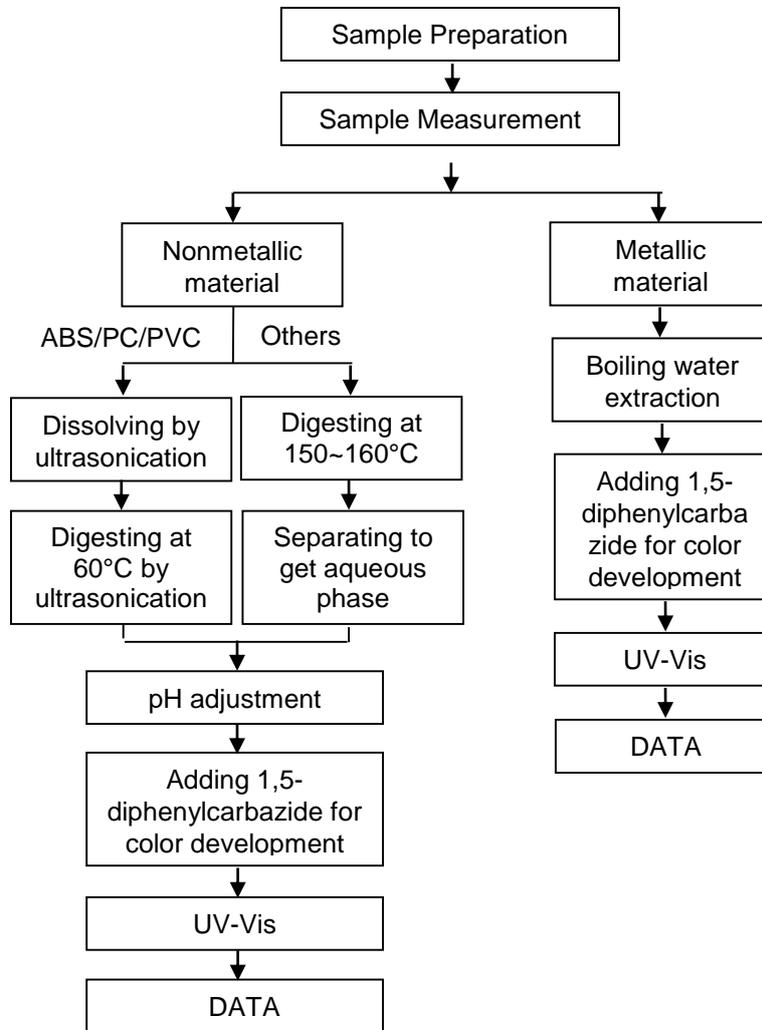
ATTACHMENTS

Elements Testing Flow Chart

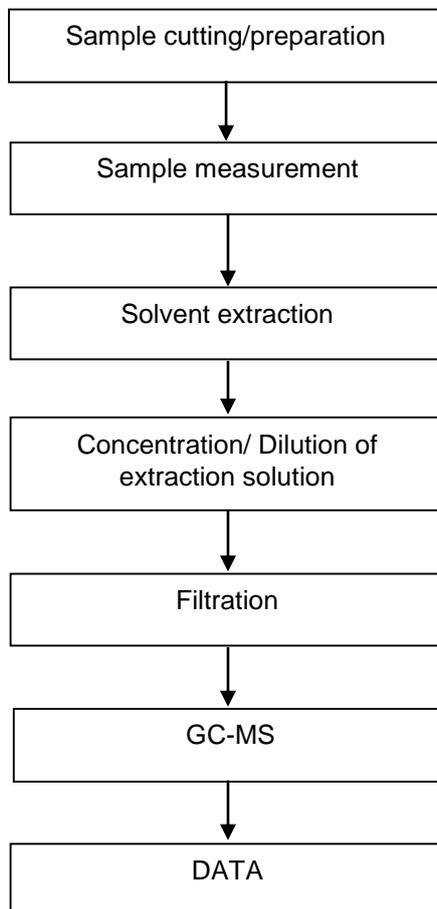
These samples were dissolved totally by pre-conditioning method according to below flow chart.



Hexavalent Chromium (Cr(VI)) Testing Flow Chart



PBBs/PBDEs Testing Flow Chart



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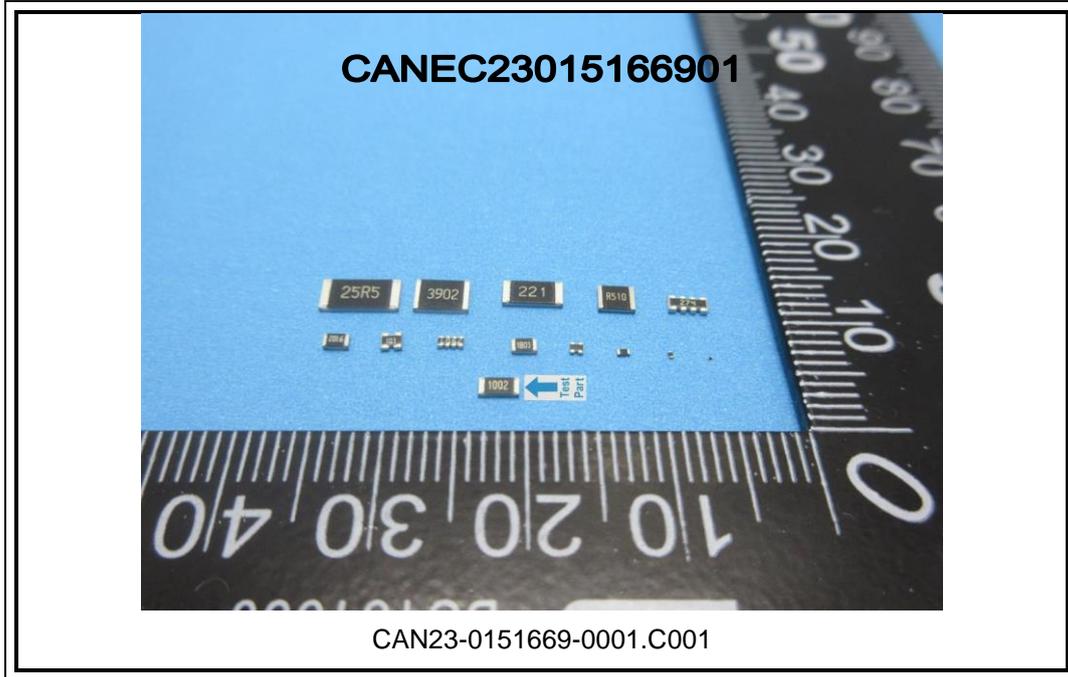
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Sample Photo:



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*** End of Report ***



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