

Test Report

No. : CY/2020/20396

Date : 2020/03/16

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ACPA TECHNOLOGY CO., LTD.

2F, NO. 4, LANE 311, SEC. 1, JIESHOU RD., SANXIA DIST., NEW TAIPEI CITY 237, TAIWAN

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

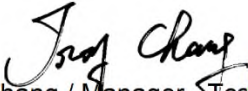
Sample Submitted By : ACPA TECHNOLOGY CO., LTD.
Sample Description : SURGE ARRESTER (氣體放電管)
Style/Item No. : GDT:3216 · 4532 · D8 · D12 · D17 · 20D · 2SF · 2SN · 2SR · 2SM · 2S · 2R · 2RC · 2RF · 2RN · 2RS · 2RM · 2N · 2T · 2H · 2Z · 3SM · 3SSM · 3RSM · 3RSSM · 3RM · 3R · 5D3 · 6D5 · 8D4 · 10D5 · 12D5 · 12D8 · 12D12 · 12D17 · 12D18 · 16D3 · 16D5 · 18D7 · 20D6 · 25D10 · 25D21 · 30D12
Sample Receiving Date : 2020/02/21
Testing Period : 2020/02/21 to 2020/03/02

Test Requested : (1) As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).
(2) As specified by client, to test PFOA, PFOS, Halogen-Fluorine, Chlorine, Bromine, Iodine contents in the submitted sample.

Test Result(s) : Please refer to following pages.

Conclusion : (1) Based on the performed tests on submitted sample(s), the test results of Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

* This report is combined with 9 copies of test reports which provided by client. *


Troy Chang / Manager - Tech
Signed for and behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei



PIN CODE: 7326030A

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Test Result(s)

- PART NAME No.1 : SILVER COLORED METAL (CE/2020/25594)
- PART NAME No.2 : BLACK LUMP (CE/2020/25595)
- PART NAME No.3 : BLACK PLASTIC TUBE (CE/2020/25596)
- PART NAME No.4 : SILVER COLORED METAL (CE/2020/25597)
- PART NAME No.5 : PLATING LAYER OF WHITE/SILVER COLORED CERAMIC TUBE (CE/2020/25598 No.1)
- PART NAME No.6 : BASE MATERIAL OF WHITE/SILVER COLORED CERAMIC TUBE (CE/2020/25598 No.2)
- PART NAME No.7 : WHITE/SILVER COLORED CERAMIC TUBE (INCLUDING THE PLATING LAYER) (CE/2020/25598 No.3)
- PART NAME No.8 : PLATING LAYER OF SILVER COLORED METAL (CE/2020/25599 No.1)
- PART NAME No.9 : BASE MATERIAL OF SILVER COLORED METAL (CE/2020/25599 No.2)
- PART NAME No.10 : SILVER COLORED METAL (INCLUDING THE PLATING LAYER) (CE/2020/25599 No.3)
- PART NAME No.11 : COPPER COLORED METAL WIRE (CE/2020/25600)
- PART NAME No.12 : PLATING LAYER OF SILVER COLORED METAL WIRE (CE/2020/25601 No.1)
- PART NAME No.13 : BASE MATERIAL OF SILVER COLORED METAL WIRE (CE/2020/25601 No.2)
- PART NAME No.14 : SILVER COLORED METAL WIRE (INCLUDING THE PLATING LAYER) (CE/2020/25601 No.3)
- PART NAME No.15 : PLATING LAYER OF SILVER COLORED METAL (CE/2020/25603 No.1)
- PART NAME No.16 : BASE MATERIAL OF SILVER COLORED METAL (CE/2020/25603 No.2)
- PART NAME No.17 : SILVER COLORED METAL (INCLUDING THE PLATING LAYER) (CE/2020/25603 No.3)

Test Item(s)	Unit	Method	MDL	Result					Limit
				No.1	No.2	No.3	No.4	No.5	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	n.d.	n.d.	n.d.	---	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	n.d.	n.d.	31.3	---	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+AMD1:2017 and performed by ICP-OES.	2	n.d.	n.d.	n.d.	n.d.	---	1000

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.1	No.2	No.3	No.4	No.5	
Cadmium (Cd)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	---	---	n.d.	100
Lead (Pb)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	---	---	n.d.	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+AMD1:2017 application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	---	---	n.d.	1000
Hexavalent Chromium Cr(VI)(#2)	µg/cm ²	With reference to IEC 62321-7-1 (2015) and performed by UV-VIS.	0.10	n.d.	---	---	n.d.	n.d.	-
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321-7-2 (2017) and performed by UV-VIS.	8	---	n.d.	n.d.	---	---	1000
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	mg/kg	With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	50	n.d.	n.d.	n.d.	n.d.	---	1000
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	1000
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	1000
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	1000

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Test Item(s)	Unit	Method	MDL	Result					Limit	
				No.1	No.2	No.3	No.4	No.5		
Sum of PBBs	mg/kg	With reference to IEC 62321-6 (2015) and performed by GC/MS.	-	n.d.	n.d.	n.d.	n.d.	---	1000	
Monobromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Dibromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Tribromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Tetrabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Pentabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Hexabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Heptabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Octabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Nonabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Decabromobiphenyl	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Sum of PBDEs	mg/kg			-	n.d.	n.d.	n.d.	n.d.	---	1000
Monobromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Dibromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Tribromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Tetrabromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Pentabromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Hexabromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Heptabromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Octabromodiphenyl ether	mg/kg			5	n.d.	n.d.	n.d.	n.d.	---	-
Nonabromodiphenyl ether	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Decabromodiphenyl ether	mg/kg		5	n.d.	n.d.	n.d.	n.d.	---	-	
Halogen										
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	n.d.	n.d.	184	n.d.	---	-	
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	-	
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	-	
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n.d.	n.d.	n.d.	n.d.	---	-	

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.1	No.2	No.3	No.4	No.5	
Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	n.d.	n.d.	n.d.	n.d.	---	-
PFOA (CAS No.: 335-67-1)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	n.d.	n.d.	n.d.	n.d.	---	-

Test Item(s)	Unit	Method	MDL	Result					Limit
				No.6	No.7	No.8	No.9	No.10	
Cadmium (Cd)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	n.d.	---	---	100
Lead (Pb)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	n.d.	---	---	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+AMD1:2017 application of modified digestion by surface etching and performed by ICP-OES.	2	---	---	n.d.	---	---	1000
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	---	---	n.d.	---	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	---	---	n.d.	---	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+AMD1:2017 and performed by ICP-OES.	2	n.d.	---	---	n.d.	---	1000
Hexavalent Chromium Cr(VI)(#2)	µg/cm ²	With reference to IEC 62321-7-1 (2015) and performed by UV-VIS.	0.10	---	---	n.d.	n.d.	---	-

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.6	No.7	No.8	No.9	No.10	
Hexavalent Chromium Cr(VI)	mg/kg	With reference to IEC 62321-7-2 (2017) and performed by UV-VIS.	8	n.d.	---	---	---	---	1000
Sum of PBBs	mg/kg	With reference to IEC 62321-6 (2015) and performed by GC/MS.	-	---	n.d.	---	---	n.d.	1000
Monobromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Dibromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Tribromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Tetrabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Pentabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Hexabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Heptabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Octabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Nonabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Decabromobiphenyl	mg/kg		5	---	n.d.	---	---	n.d.	-
Sum of PBDEs	mg/kg		-	---	n.d.	---	---	n.d.	1000
Monobromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Dibromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Tribromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Tetrabromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Pentabromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Hexabromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Heptabromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Octabromodiphenyl ether	mg/kg		5	---	n.d.	---	---	n.d.	-
Nonabromodiphenyl ether	mg/kg	5	---	n.d.	---	---	n.d.	-	
Decabromodiphenyl ether	mg/kg	5	---	n.d.	---	---	n.d.	-	
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	mg/kg	With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	50	---	n.d.	---	---	n.d.	1000
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	mg/kg		50	---	n.d.	---	---	n.d.	1000
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg		50	---	n.d.	---	---	n.d.	1000
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg		50	---	n.d.	---	---	n.d.	1000

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.6	No.7	No.8	No.9	No.10	
Halogen									
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	---	n.d.	---	---	n.d.	-
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	---	n.d.	---	---	n.d.	-
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	---	n.d.	---	---	n.d.	-
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	---	n.d.	---	---	n.d.	-
Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	---	n.d.	---	---	n.d.	-
PFOA (CAS No.: 335-67-1)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	---	n.d.	---	---	n.d.	-

Test Item(s)	Unit	Method	MDL	Result					Limit
				No.11	No.12	No.13	No.14	No.15	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	---	---	---	---	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	---	---	---	---	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+AMD1:2017 and performed by ICP-OES.	2	n.d.	---	---	---	---	1000

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.11	No.12	No.13	No.14	No.15	
Cadmium (Cd)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	n.d.	---	---	n.d.	100
Lead (Pb)	mg/kg	IEC 62321-5 (2013) application of modified digestion by surface etching and performed by ICP-OES.	2	---	44.3	---	---	n.d.	1000
Mercury (Hg)	mg/kg	IEC 62321-4:2013+AMD1:2017 application of modified digestion by surface etching and performed by ICP-OES.	2	---	n.d.	---	---	n.d.	1000
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	---	---	n.d.	---	---	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	---	---	n.d.	---	---	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+AMD1:2017 and performed by ICP-OES.	2	---	---	n.d.	---	---	1000
Hexavalent Chromium Cr(VI)(#2)	µg/cm ²	With reference to IEC 62321-7-1 (2015) and performed by UV-VIS.	0.10	n.d.	n.d.	n.d.	---	n.d.	-

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ACPA TECHNOLOGY CO., LTD.

2F, NO. 4, LANE 311, SEC. 1, JIESHOU RD., SANXIA DIST., NEW TAIPEI CITY 237, TAIWAN

Test Item(s)	Unit	Method	MDL	Result					Limit	
				No.11	No.12	No.13	No.14	No.15		
Sum of PBBs	mg/kg	With reference to IEC 62321-6 (2015) and performed by GC/MS.	-	n.d.	---	---	n.d.	---	1000	
Monobromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Dibromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Tribromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Tetrabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Pentabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Hexabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Heptabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Octabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Nonabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Decabromobiphenyl	mg/kg		5	n.d.	---	---	n.d.	---	-	
Sum of PBDEs	mg/kg		With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	-	n.d.	---	---	n.d.	---	1000
Monobromodiphenyl ether	mg/kg			5	n.d.	---	---	n.d.	---	-
Dibromodiphenyl ether	mg/kg			5	n.d.	---	---	n.d.	---	-
Tribromodiphenyl ether	mg/kg			5	n.d.	---	---	n.d.	---	-
Tetrabromodiphenyl ether	mg/kg			5	n.d.	---	---	n.d.	---	-
Pentabromodiphenyl ether	mg/kg			5	n.d.	---	---	n.d.	---	-
Hexabromodiphenyl ether	mg/kg	5		n.d.	---	---	n.d.	---	-	
Heptabromodiphenyl ether	mg/kg	5		n.d.	---	---	n.d.	---	-	
Octabromodiphenyl ether	mg/kg	5		n.d.	---	---	n.d.	---	-	
Nonabromodiphenyl ether	mg/kg	5		n.d.	---	---	n.d.	---	-	
Decabromodiphenyl ether	mg/kg	5		n.d.	---	---	n.d.	---	-	
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	mg/kg	With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	50	n.d.	---	---	n.d.	---	1000	
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	mg/kg		50	n.d.	---	---	n.d.	---	1000	
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg		50	n.d.	---	---	n.d.	---	1000	
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg		50	n.d.	---	---	n.d.	---	1000	

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Test Item(s)	Unit	Method	MDL	Result					Limit
				No.11	No.12	No.13	No.14	No.15	
Halogen									
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	n.d.	---	---	n.d.	---	-
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	n.d.	---	---	n.d.	---	-
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	n.d.	---	---	n.d.	---	-
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	n.d.	---	---	n.d.	---	-
Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	n.d.	---	---	n.d.	---	-
PFOA (CAS No.: 335-67-1)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	n.d.	---	---	n.d.	---	-

Test Item(s)	Unit	Method	MDL	Result		Limit
				No.16	No.17	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	n.d.	---	100
Lead (Pb)	mg/kg	With reference to IEC 62321-5 (2013) and performed by ICP-OES.	2	12.1	---	1000
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+AMD1:2017 and performed by ICP-OES.	2	n.d.	---	1000
Hexavalent Chromium Cr(VI)(#2)	µg/cm ²	With reference to IEC 62321-7-1 (2015) and performed by UV-VIS.	0.10	n.d.	---	-

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Test Item(s)	Unit	Method	MDL	Result		Limit	
				No.16	No.17		
Sum of PBBs	mg/kg	With reference to IEC 62321-6 (2015) and performed by GC/MS.	-	---	n.d.	1000	
Monobromobiphenyl	mg/kg		5	---	n.d.	-	
Dibromobiphenyl	mg/kg		5	---	n.d.	-	
Tribromobiphenyl	mg/kg		5	---	n.d.	-	
Tetrabromobiphenyl	mg/kg		5	---	n.d.	-	
Pentabromobiphenyl	mg/kg		5	---	n.d.	-	
Hexabromobiphenyl	mg/kg		5	---	n.d.	-	
Heptabromobiphenyl	mg/kg		5	---	n.d.	-	
Octabromobiphenyl	mg/kg		5	---	n.d.	-	
Nonabromobiphenyl	mg/kg		5	---	n.d.	-	
Decabromobiphenyl	mg/kg		5	---	n.d.	-	
Sum of PBDEs	mg/kg		With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	-	---	n.d.	1000
Monobromodiphenyl ether	mg/kg			5	---	n.d.	-
Dibromodiphenyl ether	mg/kg			5	---	n.d.	-
Tribromodiphenyl ether	mg/kg			5	---	n.d.	-
Tetrabromodiphenyl ether	mg/kg			5	---	n.d.	-
Pentabromodiphenyl ether	mg/kg	5		---	n.d.	-	
Hexabromodiphenyl ether	mg/kg	5		---	n.d.	-	
Heptabromodiphenyl ether	mg/kg	5		---	n.d.	-	
Octabromodiphenyl ether	mg/kg	5		---	n.d.	-	
Nonabromodiphenyl ether	mg/kg	5		---	n.d.	-	
Decabromodiphenyl ether	mg/kg	5	---	n.d.	-		
DBP (Dibutyl phthalate) (CAS No.: 84-74-2)	mg/kg	With reference to IEC 62321-8 (2017). Analysis was performed by GC/MS.	50	---	n.d.	1000	
BBP (Butyl Benzyl phthalate) (CAS No.: 85-68-7)	mg/kg		50	---	n.d.	1000	
DEHP (Di- (2-ethylhexyl) phthalate) (CAS No.: 117-81-7)	mg/kg		50	---	n.d.	1000	
DIBP (Di-isobutyl phthalate) (CAS No.: 84-69-5)	mg/kg		50	---	n.d.	1000	

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Test Item(s)	Unit	Method	MDL	Result		Limit
				No.16	No.17	
Halogen						
Halogen-Fluorine (F) (CAS No.: 14762-94-8)	mg/kg	With reference to BS EN 14582 (2016). Analysis was performed by IC.	50	---	n.d.	-
Halogen-Chlorine (Cl) (CAS No.: 22537-15-1)	mg/kg		50	---	n.d.	-
Halogen-Bromine (Br) (CAS No.: 10097-32-2)	mg/kg		50	---	n.d.	-
Halogen-Iodine (I) (CAS No.: 14362-44-8)	mg/kg		50	---	n.d.	-
Perfluorooctane sulfonates (PFOS-Acid, Metal Salt, Amide)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	---	n.d.	-
PFOA (CAS No.: 335-67-1)	mg/kg	With reference to CEN/TS 15968 (2010). Analysis was performed	0.01	---	n.d.	-

Note :

1. mg/kg = ppm ; 0.1wt% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected = below MDL
4. " - " = Not Regulated
5. " --- " = Not Conducted
6. (#2) =
 - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm².
The sample coating is considered to contain Cr(VI)
 - b. The sample is negative for Cr(VI) if Cr(VI) is n.d. (concentration less than 0.10 µg/cm²).
The coating is considered a non-Cr(VI) based coating
 - c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive - unavoidable coating variations may influence the determination.

PFOS Reference Information : POPs - (EU) 2019/1021

Outlawing PFOS as substances or preparations in concentrations above 0.001% (10ppm), in semi-finished products or articles or parts at a level above 0.1%(1000ppm), in textiles or other coated materials above 1µg/m².

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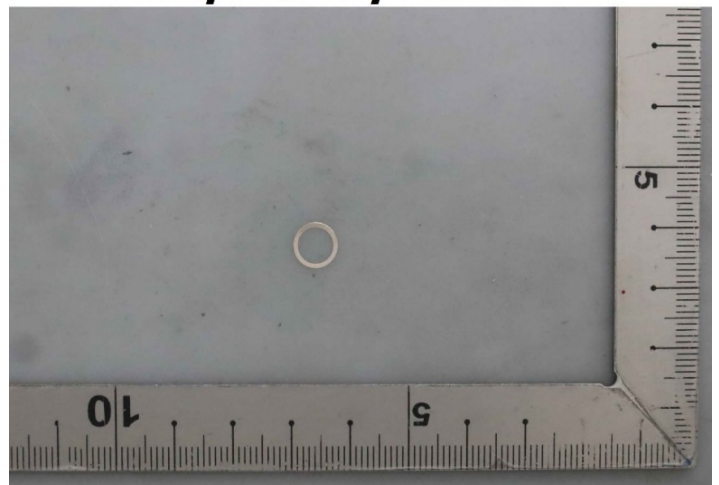
* The tested sample / part is marked by an arrow if it's shown on the photo. *

No.1

CY/2020/20396

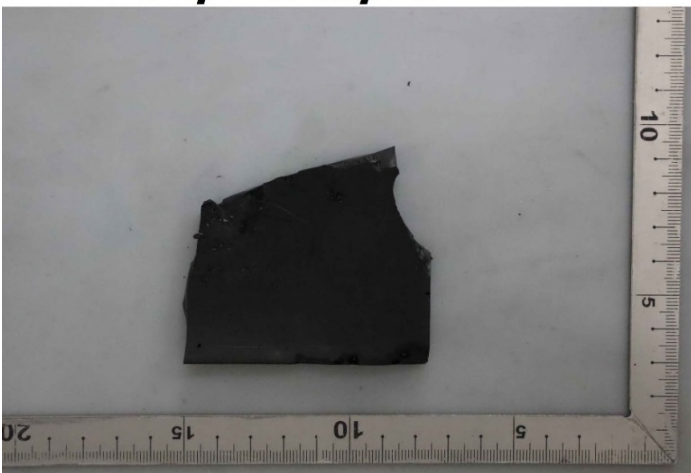


CE/2020/25594



No.2

CE/2020/25595



No.3

CE/2020/25596



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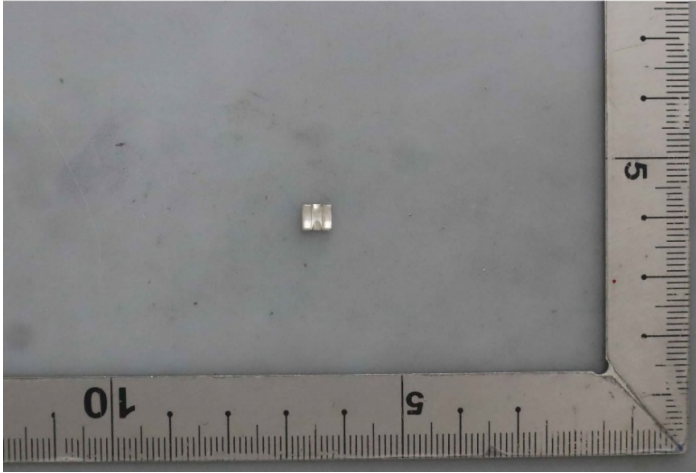
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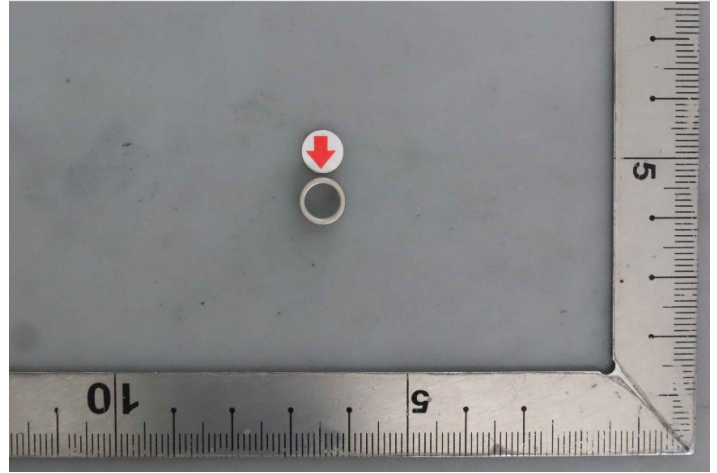
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CE/2020/25597



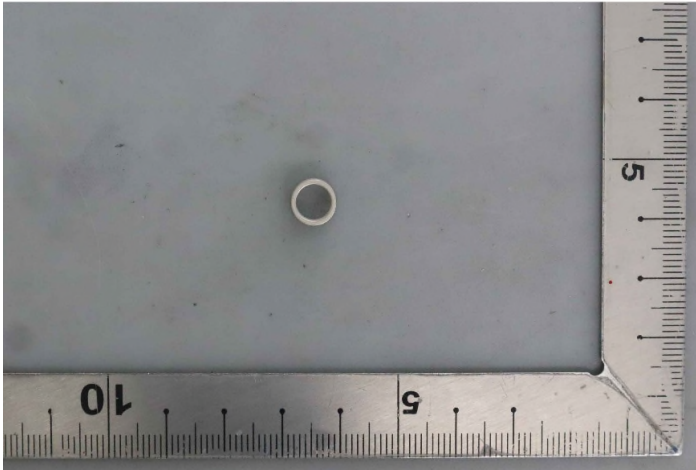
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CE/2020/25598 NO.1



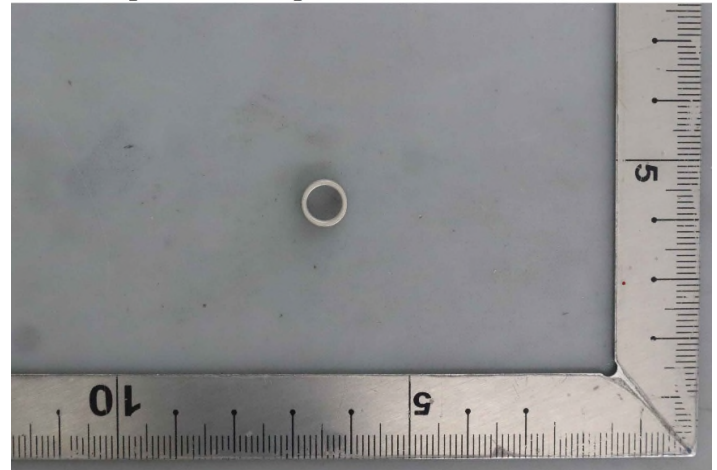
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CE/2020/25598 NO.2



No.7

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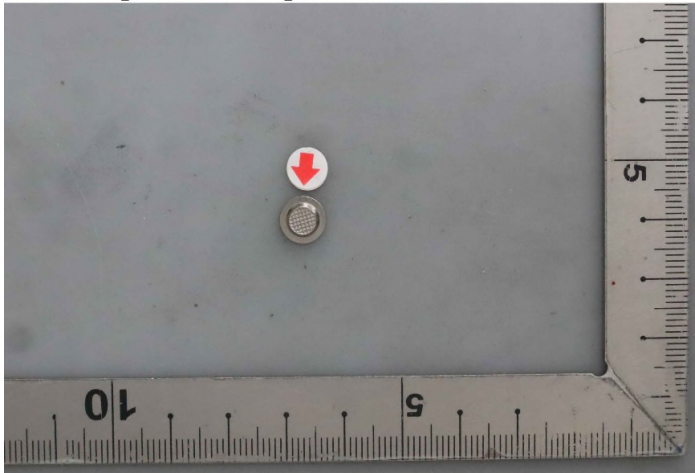
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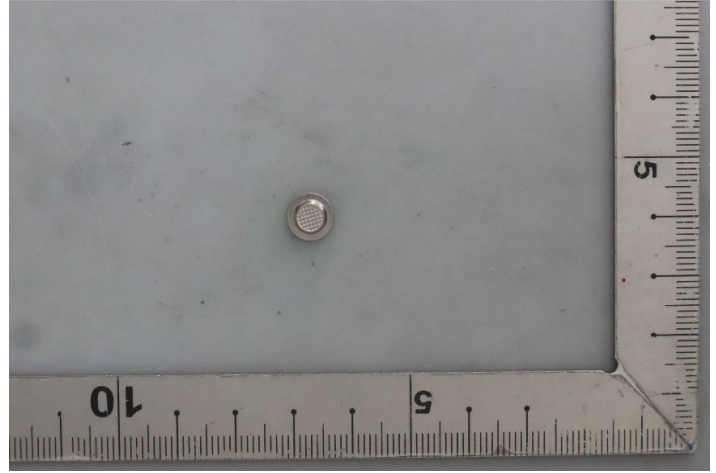
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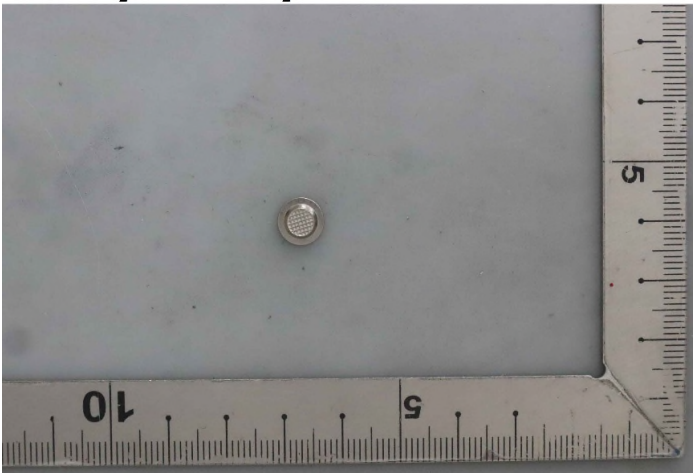
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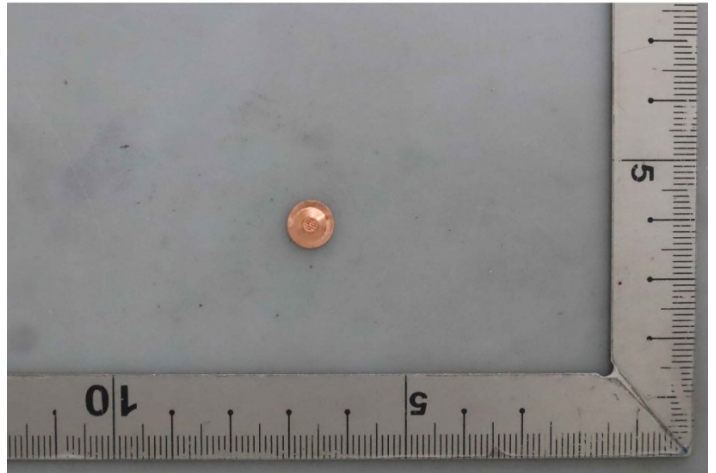
No.10

CE/2020/25599 NO.3



No.11

CE/2020/25600



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No.12

CE/2020/25601 NO.1



No.13

CE/2020/25601 NO.2



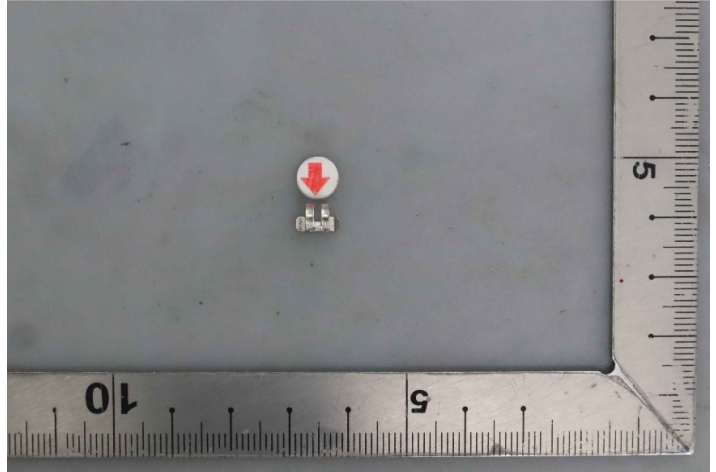
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No.15

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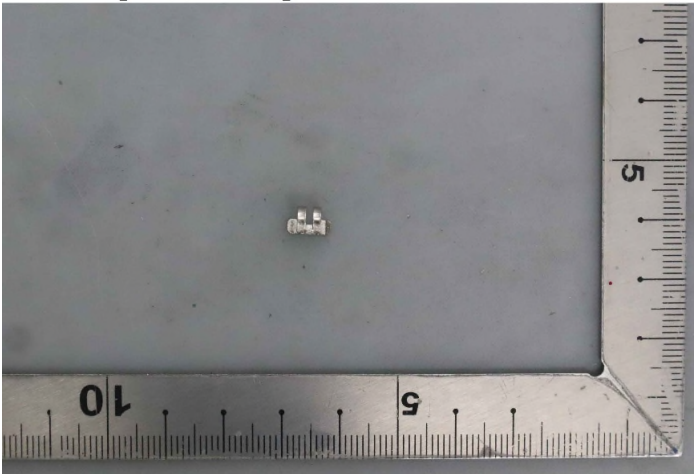
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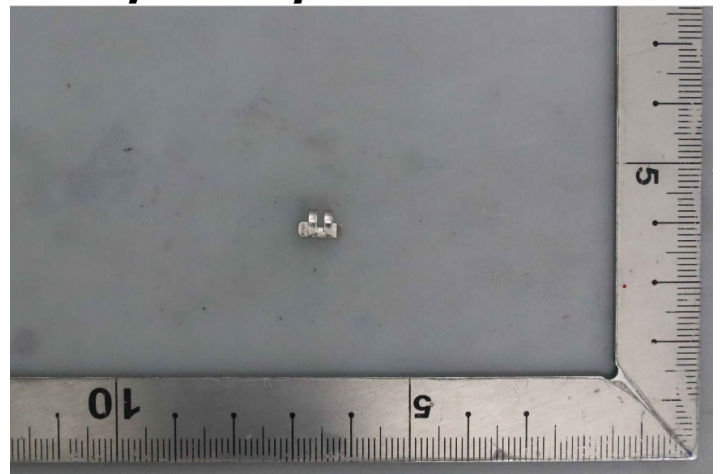
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CE/2020/25603 NO.2



No.17

CE/2020/25603 NO.3



** End of Report **