



Test Report

Report No. A2230541519102001

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Company Name YUNG LI CO.,LTD

shown on Report

Address NO. 32, DAPU INDUSTRIAL ST.,CHANGPING TOWN, DONGGUAN CITY,GUANGDONG PROVINCE,CHINA 523571

Sample Received Date Oct. 20, 2023

Testing Period Oct. 20, 2023 to Oct. 25, 2023

Test Requested As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs), Phthalates, Perfluorooctane Sulfonates(PFOS), Tetrabromobisphenol A (TBBP-A), Polycyclic Aromatic Hydrocarbons (PAHs), Red phosphorus in the submitted sample(s).

Test Method/Test Result(s) Please refer to the following page(s).



Approved by

Yin Chi

Date

Oct. 25, 2023

Yin Chi

Lab Authorized Signatory

No. B311149332

Centre Testing International (Ningbo) Co.,Ltd.

1-2F, Eastern Factory, No.76, Jinghua Road, High-Tech Zone, Ningbo, Zhejiang, China

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

CTI Sample ID	Sample Name	Material	Reference Report No. - CTI Sample ID
001	cable	PVC BLACK	A2230541519101001-001
002		PVC WHITE	A2230541519101001-002
003		PVC BROWN	A2230541519101001-003
004		PVC BLUE	A2230541519101001-004
005		PVC YELLOW	A2230541519101001-005
006		PVC GREEN	A2230541519101001-006
007		PVC RED	A2230541519101001-007
008		PVC ORANGE	A2230541519101001-008
009		PVC PURPLE	A2230541519101001-009
010		PVC PINK	A2230541519101001-010
011		INK	A2230541519101001-011
012		CABLE COPPER	A2230541519101001-012

Remark:

The samples with the reference information in the table above are non-tested in this report. Test results and the photos of the " CTI Sample ID " column reference to "Reference Report No. - CTI Sample ID " column.

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Test Method

Tested Item(s)	Test Method	Measured Equipment(s)
Lead (Pb)	IEC 62321-5:2013	ICP-OES
Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis
	IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS
Perfluorooctane Sulfonates(PFOS)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Tetrabromobisphenol A (TBBP-A)	Refer to US EPA 3550C:2007 & US EPA 8321B:2007	LC-MS-MS
Phthalates (BBP,DEHP,DPrP,DBP,DHP, DCHP,DMP,DNP,DPP/DPENP,DEP,DIBP, DIDP,DINP,DIOP,DNOP,DINA)	Refer to EN 14372:2004(E)	GC-MS
Polycyclic Aromatic Hydrocarbons (PAHs)	AfPS GS 2014:01 PAK	GC-MS
Red phosphorus	Refer to GB/T 6040-2002, GB/T 9722-2006, GB/T 17359-2012, EPA 6010D:2014	ICP-OES, PY-GC-MS, FTIR, EM

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Test Result(s)

Tested Item(s)	Result			MDL
	001	002	003	
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	8 mg/kg
	--	--	--	0.10 µg/cm ² (LOQ)

Tested Item(s)	Result			MDL
	004	005	006	
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	8 mg/kg
	--	--	--	0.10 µg/cm ² (LOQ)

Tested Item(s)	Result			MDL
	007	008	009	
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	N.D.	8 mg/kg
	--	--	--	0.10 µg/cm ² (LOQ)

Tested Item(s)	Result			MDL
	010	011	012	
Lead (Pb)	N.D.	N.D.	N.D.	2 mg/kg
Cadmium (Cd)	N.D.	N.D.	N.D.	2 mg/kg
Mercury (Hg)	N.D.	N.D.	N.D.	2 mg/kg
Hexavalent Chromium (Cr(VI))	N.D.	N.D.	--	8 mg/kg
	--	--	N.D.▼	0.10 µg/cm ² (LOQ)

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Tested Item(s)	Result			MDL
	001	002	003	
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	007	008	009	
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result		MDL
	010	011	
Polybrominated Biphenyls (PBBs)			
Monobromobiphenyl	N.D.	N.D.	5 mg/kg
Dibromobiphenyl	N.D.	N.D.	5 mg/kg
Tribromobiphenyl	N.D.	N.D.	5 mg/kg
Tetrabromobiphenyl	N.D.	N.D.	5 mg/kg
Pentabromobiphenyl	N.D.	N.D.	5 mg/kg
Hexabromobiphenyl	N.D.	N.D.	5 mg/kg
Heptabromobiphenyl	N.D.	N.D.	5 mg/kg
Octabromobiphenyl	N.D.	N.D.	5 mg/kg
Nonabromobiphenyl	N.D.	N.D.	5 mg/kg
Decabromobiphenyl	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	001	002	003	
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	007	008	009	
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result		MDL
	010	011	
Polybrominated Diphenyl Ethers (PBDEs)			
Monobromodiphenyl ether	N.D.	N.D.	5 mg/kg
Dibromodiphenyl ether	N.D.	N.D.	5 mg/kg
Tribromodiphenyl ether	N.D.	N.D.	5 mg/kg
Tetrabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Pentabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Hexabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Heptabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Octabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Nonabromodiphenyl ether	N.D.	N.D.	5 mg/kg
Decabromodiphenyl ether	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	001	002	003	
Phthalates (DBP, BBP, DEHP, DIBP)				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Phthalates (DBP, BBP, DEHP, DIBP)				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg

Tested Item(s)	Result			MDL
	007	008	009	
Phthalates (DBP, BBP, DEHP, DIBP)				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg

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Tested Item(s)	Result		MDL
	010	011	
Phthalates (DBP, BBP, DEHP, DIBP)			
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg

Tested Item(s)	Result			MDL
	001	002	003	
Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	007	008	009	
Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result		MDL
	010	011	
Perfluorooctane Sulfonates (PFOS)	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	001	002	003	
Tetrabromobisphenol A (TBBP-A)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Tetrabromobisphenol A (TBBP-A)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result			MDL
	007	008	009	
Tetrabromobisphenol A (TBBP-A)	N.D.	N.D.	N.D.	5 mg/kg

Tested Item(s)	Result		MDL
	010	011	
Tetrabromobisphenol A (TBBP-A)	N.D.	N.D.	5 mg/kg

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Tested Item(s)	Result			MDL
	001	002	003	
Phthalates				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	N.D.	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	N.D.	50 mg/kg
Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	N.D.	50 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
Diheptyl phthalate (DHP) CAS#:3648-21-3	N.D.	N.D.	N.D.	50 mg/kg
Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	N.D.	50 mg/kg
Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	N.D.	50 mg/kg
Diisononyl adipate (DINA) CAS#:33703-08-1	N.D.	N.D.	N.D.	50 mg/kg

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Tested Item(s)	Result			MDL
	004	005	006	
Phthalates				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	N.D.	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	N.D.	50 mg/kg
Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	N.D.	50 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
Diheptyl phthalate (DHP) CAS#:3648-21-3	N.D.	N.D.	N.D.	50 mg/kg
Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	N.D.	50 mg/kg
Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	N.D.	50 mg/kg
Diisononyl adipate (DINA) CAS#:33703-08-1	N.D.	N.D.	N.D.	50 mg/kg

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Tested Item(s)	Result			MDL
	007	008	009	
Phthalates				
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	N.D.	50 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	N.D.	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	N.D.	50 mg/kg
Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	N.D.	50 mg/kg
Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	N.D.	50 mg/kg
Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	N.D.	50 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	N.D.	50 mg/kg
Diheptyl phthalate (DHP) CAS#:3648-21-3	N.D.	N.D.	N.D.	50 mg/kg
Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	N.D.	50 mg/kg
Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	N.D.	50 mg/kg
Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	N.D.	50 mg/kg
Diisononyl adipate (DINA) CAS#:33703-08-1	N.D.	N.D.	N.D.	50 mg/kg

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Tested Item(s)	Result		MDL
	010	011	
Phthalates			
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	N.D.	50 mg/kg
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	N.D.	50 mg/kg
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	N.D.	50 mg/kg
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	N.D.	50 mg/kg
Di-n-octyl phthalate (DNOP) CAS#:117-84-0	N.D.	N.D.	50 mg/kg
Di-isononyl phthalate (DINP) CAS#:28553-12-0,68515-48-0	N.D.	N.D.	50 mg/kg
Di-iso-decyl phthalate (DIDP) CAS#:26761-40-0,68515-49-1	N.D.	N.D.	50 mg/kg
Dimethyl phthalate (DMP) CAS#:131-11-3	N.D.	N.D.	50 mg/kg
Diethyl phthalate (DEP) CAS#:84-66-2	N.D.	N.D.	50 mg/kg
Dipropyl phthalate (DPrP) CAS#:131-16-8	N.D.	N.D.	50 mg/kg
Dipentyl phthalate (DPP/DPENP) CAS#:131-18-0	N.D.	N.D.	50 mg/kg
Diheptyl phthalate (DHP) CAS#:3648-21-3	N.D.	N.D.	50 mg/kg
Dicyclohexyl phthalate (DCHP) CAS#:84-61-7	N.D.	N.D.	50 mg/kg
Diisooctyl phthalate (DIOP) CAS#:27554-26-3	N.D.	N.D.	50 mg/kg
Dinonyl phthalate (DNP) CAS#:84-76-4	N.D.	N.D.	50 mg/kg
Diisononyl adipate (DINA) CAS#:33703-08-1	N.D.	N.D.	50 mg/kg

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Tested Item(s)	Result				MDL
	001	002	003	004	
Polycyclic Aromatic Hydrocarbons (PAHs)					
Naphthalene	4.5 mg/kg	3.4 mg/kg	3.0 mg/kg	2.9 mg/kg	0.2 mg/kg
Acenaphthylene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Acenaphthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Fluorene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Phenanthrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Chrysene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(b)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(k)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(j)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(e)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Indeno(1,2,3-cd)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Dibenzo(a,h)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(g,h,i)perylene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg

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Tested Item(s)	Result				MDL
	005	006	007	008	
Polycyclic Aromatic Hydrocarbons (PAHs)					
Naphthalene	2.5 mg/kg	2.9 mg/kg	2.9 mg/kg	2.6 mg/kg	0.2 mg/kg
Acenaphthylene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Acenaphthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Fluorene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Phenanthrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Chrysene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(b)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(k)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(j)fluoranthene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(e)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Indeno(1,2,3-cd)pyrene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Dibenzo(a,h)anthracene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(g,h,i)perylene	N.D.	N.D.	N.D.	N.D.	0.2 mg/kg

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Tested Item(s)	Result			MDL
	009	010	011	
Polycyclic Aromatic Hydrocarbons (PAHs)				
Naphthalene	3.1 mg/kg	3.0 mg/kg	N.D.	0.2 mg/kg
Acenaphthylene	N.D.	N.D.	N.D.	0.2 mg/kg
Acenaphthene	N.D.	N.D.	N.D.	0.2 mg/kg
Fluorene	N.D.	N.D.	N.D.	0.2 mg/kg
Phenanthrene	N.D.	N.D.	N.D.	0.2 mg/kg
Anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
Fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
Pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
Chrysene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(b)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(k)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(j)fluoranthene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(e)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(a)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
Indeno(1,2,3-cd)pyrene	N.D.	N.D.	N.D.	0.2 mg/kg
Dibenzo(a,h)anthracene	N.D.	N.D.	N.D.	0.2 mg/kg
Benzo(g,h,i)perylene	N.D.	N.D.	N.D.	0.2 mg/kg

Tested Item(s)	Result			MDL
	001	002	003	
Red phosphorus	N.D.	N.D.	N.D.	500 mg/kg

Tested Item(s)	Result			MDL
	004	005	006	
Red phosphorus	N.D.	N.D.	N.D.	500 mg/kg

Tested Item(s)	Result			MDL
	007	008	009	
Red phosphorus	N.D.	N.D.	N.D.	500 mg/kg

Tested Item(s)	Result		MDL
	010	011	
Red phosphorus	N.D.	N.D.	500 mg/kg

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Sample/Part Description

No.	CTI Sample ID	Description
1	001	Black plastic grains
2	002	White plastic grains
3	003	Brown plastic grains
4	004	Blue plastic grains
5	005	Yellow plastic grains
6	006	Green plastic grains
7	007	Red plastic grains
8	008	Orange plastic grains
9	009	Purple plastic grains
10	010	Pink plastic grains
11	011	White ink
12	012	Cupreous metal

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL or LOQ)

-mg/kg = ppm = parts per million

-LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 $\mu\text{g}/\text{cm}^2$

-▼The sample is negative for Cr(VI) – The Cr(VI) concentration is below 0.10 $\mu\text{g}/\text{cm}^2$. The coating is considered a non-Cr(VI) based coating. Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Note: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

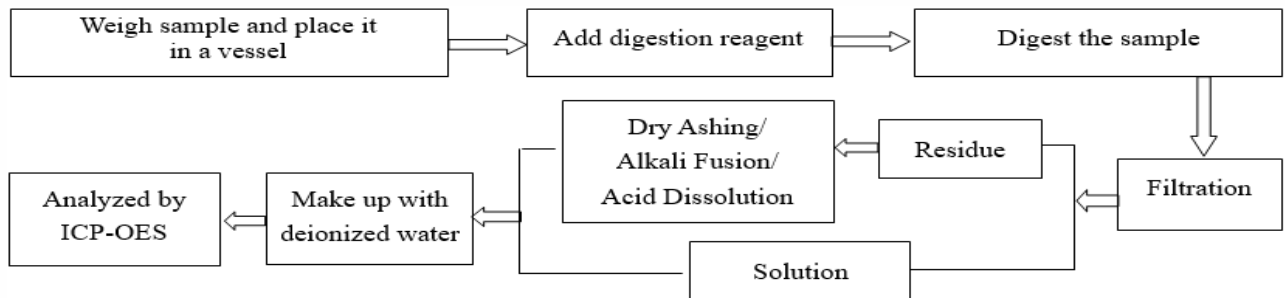
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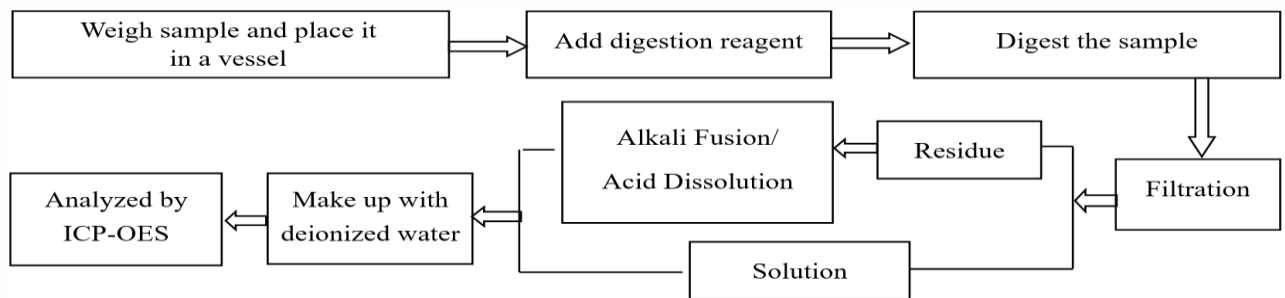
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Test Process

1. Lead (Pb), Cadmium (Cd), Chromium(Cr)

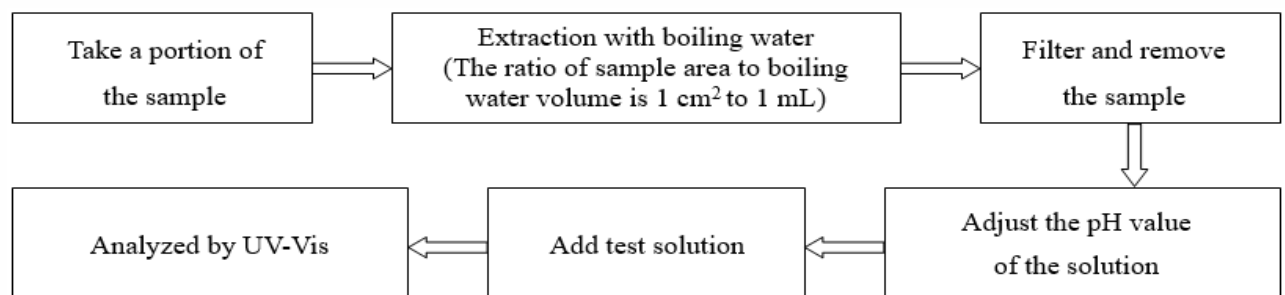


2. Mercury (Hg)

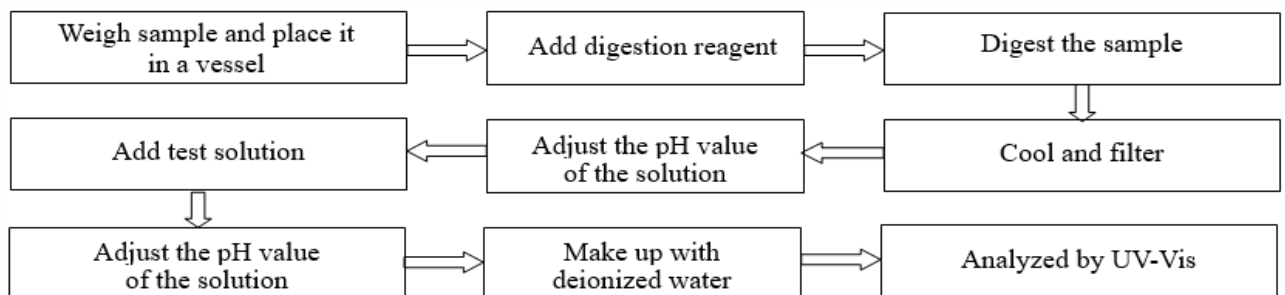


3. Hexavalent Chromium (Cr(VI))

(1) IEC 62321-7-1:2015



(2) IEC 62321-7-2:2017

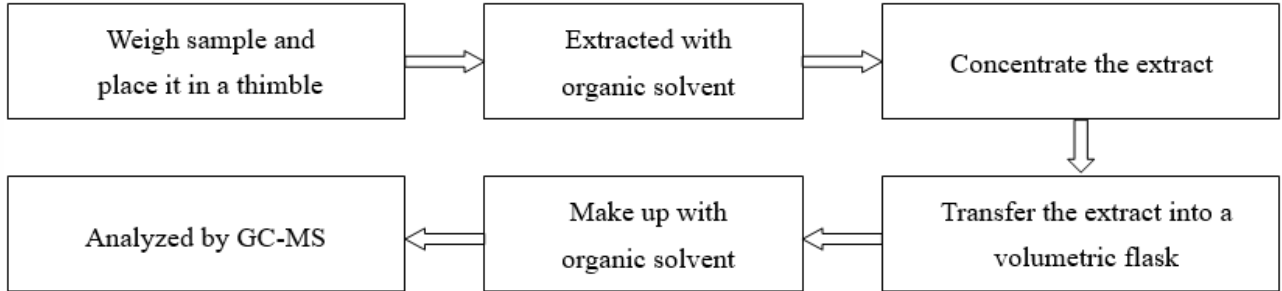


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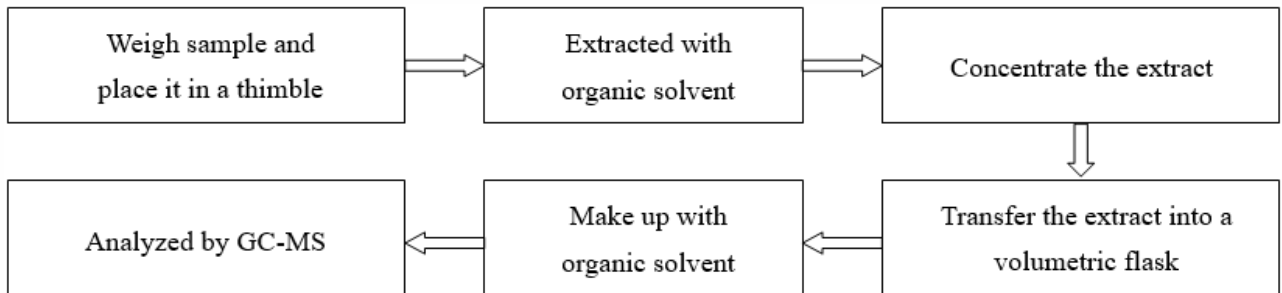
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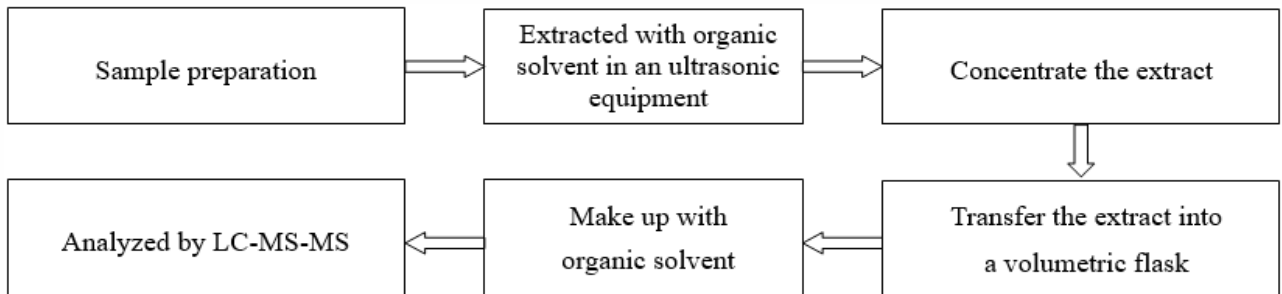
4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



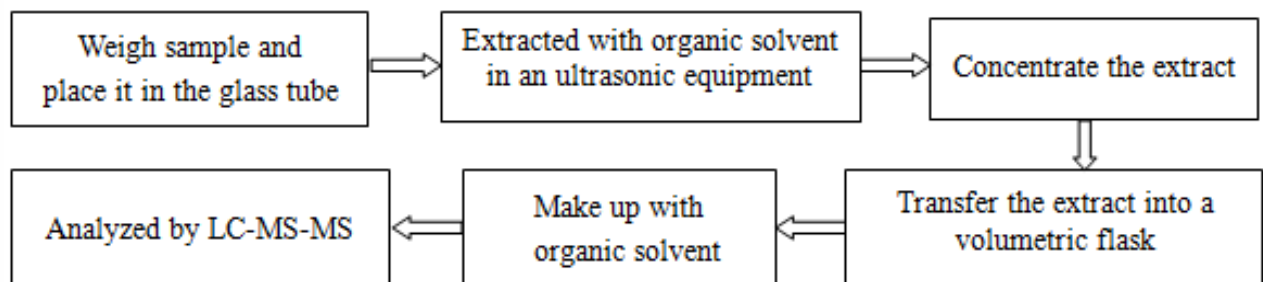
5. Phthalates



6. Perfluorooctane Sulfonates(PFOS)



7. Tetrabromobisphenol A (TBBP-A)

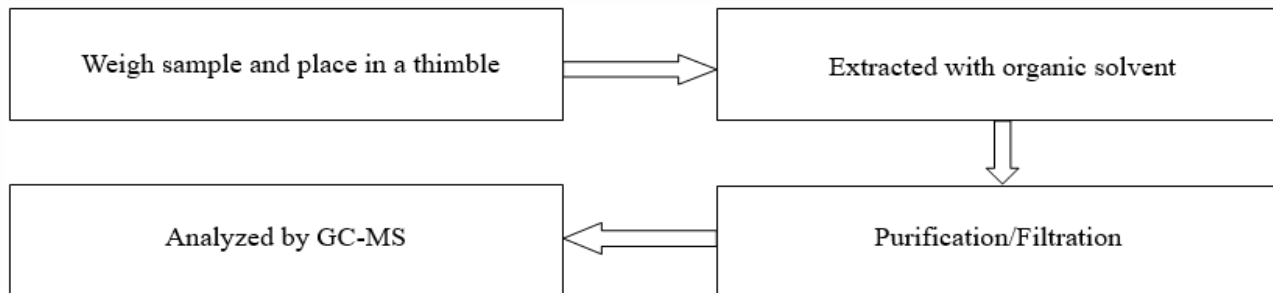


Test Report

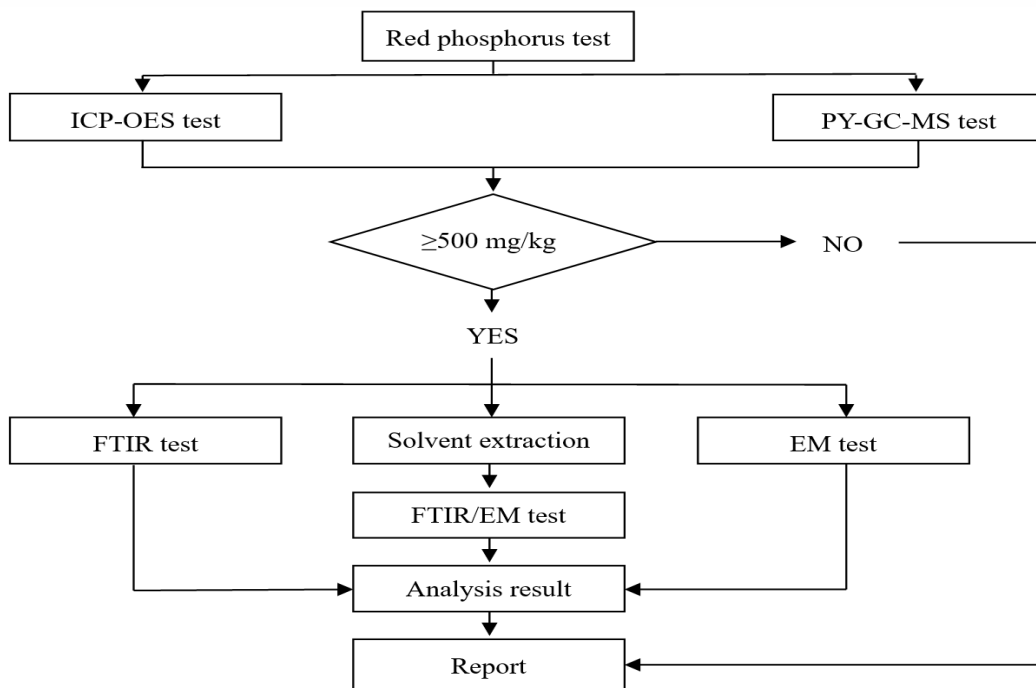
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8. Polycyclic Aromatic Hydrocarbons (PAHs)



9. Red phosphorus



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Photo(s) of the sample(s)



A2230541519101001



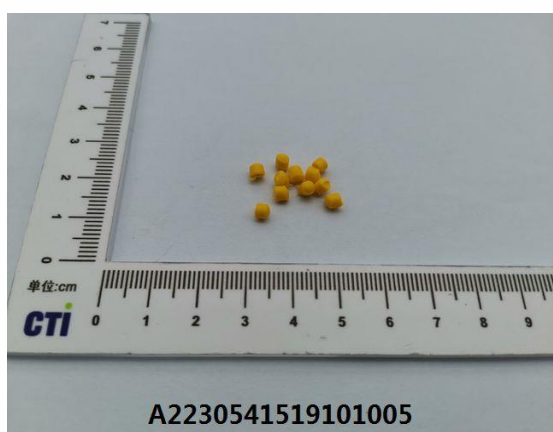
A2230541519101002



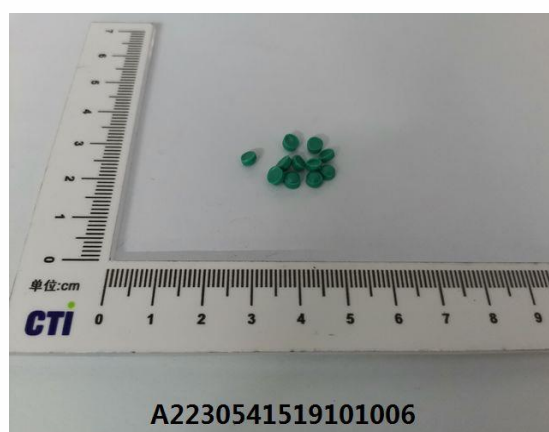
A2230541519101003



A2230541519101004



A2230541519101005

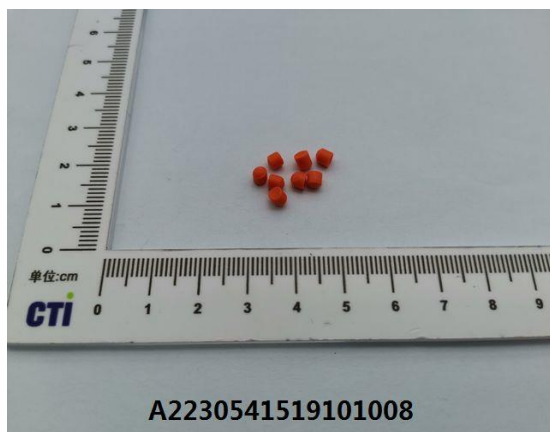


A2230541519101006

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Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. Without written approval of CTI, this report can't be reproduced except in full;
5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***

Appendix

Client Reference Information

CABLE			
SV SVO SVT,SVTO	SPT-1,NISPT-1	VFF,HVFF	H03VV-F
SJT,SJTW	SPT-2,NISPT-2	VCTFK,HVCTFK	H03VVH2-F
SJTO,SJTOW,SJTOOW	SPT-3,NISPT-3	VCTF,HVCTF	H03V2V2-F
S,SJ,SJO,SJOO	SPT-1W,SPT-2W	VCT,HVCT	H03V2V2H2-F
SJOW,SJOOW	SRDT,DRT	VSF,HVSF	H05VV-F
ST,STW,STO,STOW,STOOW	1015,1007,1061,	HHVCTFK	H05VVH2-F
SO,SOO,SOW,SOOW	1728,1185,2468,	HHVCTF	H05V2V2-F
EVT EVJT EVE EVJE	2464, 2586,1283	/	H05V2V2H2-F
TYPE-W	/	/	H05BQ

Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A2230541519102001.

