



**BUREAU
VERITAS**

TEST REPORT

LAB NO. : (8815)362-0139
DATE : Jan 13, 2016
PAGE : 1 OF 18

APPLICANT : **INNOKIN TECHNOLOGY CO., LTD**
BUILDING 6, XINXINTIAN INDUSTRIAL PARK, XINSHA
ROAD, SHAJING, BAOAN DISTRICT, SHENZHEN, CHINA

DATE OF SUBMISSION : Dec 28, 2015

TEST PERIOD : Dec 28, 2015 To Jan 13, 2016

SAMPLE DESCRIPTION : CORTEX, ISUB S

Style No. : IK415, IK386

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)	PASS	-

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Harvey Xue
Assistant Manager, Analytical Lab

RT/JW

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 85935656 Ext. 8819 CPSAnalytical.DG@cn.bureauveritas.com




Business Contact: (86) 0769 85893595





This report shall not be reproduced except in full, without the written approval of our laboratory.




Photo of the Submitted Sample







Test Item Description and Photo List



Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I001		Silvery metal	Housing, atomizer, cortex, iSub S	-
I002		Silvery metal	Ring, housing, atomizer, cortex, iSub S	-
I003		Silvery metal	Screw, housing, atomizer, cortex, iSub S	-
I004		Silvery metal	Contact plate, housing, atomizer, cortex, iSub S	-
I005		Silvery metal	Connector, housing, atomizer, cortex, iSub S	-
I006		Transparent plastic	Atomizer, cortex, iSub S	-
I007		Translucent soft plastic	Washer, atomizer, cortex, iSub S	-
I008		Translucent soft plastic	Connector, housing, atomizer, cortex, iSub S	-
I009		Black printed silvery metal	Lid, atomizer, cortex, iSub S	-
I010		Silvery metal	Lid, atomizer, cortex, iSub S	-
I011		Translucent soft plastic	Washer, lid, atomizer, cortex, iSub S	-
I012		Silvery metal	Tube, atomizer, cortex, iSub S	-
I013		Silvery metal	Connector, atomizer, cortex, iSub S	-
I014		Silvery metal	Base, atomizer, cortex, iSub S	-
I015		Silvery metal	Connector, atomizer, cortex, iSub S	-
I016		Silvery metal	Ring, atomizer, cortex, iSub S	-
I017		Silvery metal	Washer, atomizer, cortex, iSub S	-
I018		Silvery metal	Spring, atomizer, cortex, iSub S	-
I019		Silvery metal	Bead, atomizer, cortex, iSub S	-




Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I020		Silvery metal	Holder, bead, atomizer, cortex, iSub S	-
I021		Transparent soft plastic	Washer, atomizer, cortex, iSub S	-
I022		Silvery metal	Screw, atomizer, cortex, iSub S	-
I023		Transparent soft plastic	Washer, screw, atomizer, cortex, iSub S	-
I024		White fabric	Cotton, atomizer, cortex, iSub S	-
I025		Silvery metal	Grille, atomizer, cortex, iSub S	-
I026		Silvery metal	Housing, atomizer, cortex, iSub S	-
I027		Silvery metal	Holder, cotton, atomizer, cortex, iSub S	-
I028		Silvery metal	Connector, atomizer, cortex, iSub S	-
I029		Silvery metal	Pin, atomizer, cortex, iSub S	-
I030		Silvery metal	Spring, pin, atomizer, cortex, iSub S	-
I031		Grey soft plastic	Ring, atomizer, cortex, iSub S	-
I032	White soft plastic	Washer, atomizer, cortex, iSub S	-	
I033		Silvery metal	Cigarette holder, cortex, iSub S	-
I034		Translucent soft plastic	Washer, cigarette holder, cortex, iSub S	-
I035		Black plastic	Cigarette holder, cortex, iSub S	-
I036		White printed black plastic	Lid, button, housing, PCB, cortex, iSub S	-
I037		Translucent/grey plastic	Button, housing, PCB, cortex, iSub S	-
I038		Silvery metal	Housing, PCB, cortex, iSub S	-
I039		Black printed white paper	Bar code, housing, PCB, cortex, iSub S	-



Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I040		Black plastic	Lid, housing, PCB, cortex, iSub S	-
I041		Transparent plastic	Film, lid, housing, PCB, cortex, iSub S	-
I042		Silvery metal	Lid, housing, PCB, cortex, iSub S	-
I043		Silvery metal	Connector, lid, housing, PCB, cortex, iSub S	-
I044		Golden metal	Shaft, connector, lid, housing, PCB, cortex, iSub S	-
I045		Translucent plastic	Washer, shaft, connector, lid, housing, PCB, cortex, iSub S	-
I046		Silvery metal	Contact plate, lid, housing, PCB, cortex, iSub S	-
I047		Silvery solder	Solder, contact plate, lid, housing, PCB, cortex, iSub S	-
I048		Silvery metal	Spring, lid, housing, PCB, cortex, iSub S	-
I049		Brown plastic	Spring holder, lid, housing, PCB, cortex, iSub S	-
I050		Black coated translucent/grey plastic	Lid, rear cover, housing, PCB, cortex, iSub S	-
I051		Silvery metal	Rear cover, housing, PCB, cortex, iSub S	-
I052		Silvery metal	Shaft, rear cover, housing, PCB, cortex, iSub S	-
I053		Translucent soft plastic	Mat, shaft, rear cover, housing, PCB, cortex, iSub S	-
I054		Transparent/grey plastic	Diaphragm, display screen rear cover, housing, PCB, cortex, iSub S	-
I055		Transparent/silver glass	Display screen, rear cover, housing, PCB, cortex, iSub S	-
I056		Black plastic	Sticker, display screen rear cover, housing, PCB, cortex, iSub S	-
I057		Black plastic	Button, switch, PCB, cortex, iSub S	-
I058		Silvery metal	Case, switch, PCB, cortex, iSub S	-
I059		Transparent/yellow soft plastic	Cover, contact plate, switch, PCB, cortex, iSub S	-
I060		Silvery metal	Contact plate, switch, PCB, cortex, iSub S	-

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I061		Black plastic	Base, switch, PCB, cortex, iSub S	-
I062		Silvery metal	Pin, switch, PCB, cortex, iSub S	-
I063		Silvery metal	Contact plate, AC plug, PCB, cortex, iSub S	-
I064		Silvery metal	Pin, AC plug, PCB, cortex, iSub S	-
I065		Black plastic	Pin holder, AC plug, PCB, cortex, iSub S	-
I066		Brown soft plastic with silvery metal	Data wire, PCB, cortex, iSub S	-
I067		Black body	SMD IC, PCB, cortex, iSub S	-
I068		Black body	SMD resistor, PCB, cortex, iSub S	-
I069		Brown body	SMD capacitor, PCB, cortex, iSub S	-
I070		Brown body	Small SMD capacitor, PCB, cortex, iSub S	-
I071		White printed black body	SMD resistor, PCB, cortex, iSub S	-
I072		Black body	SMD diode, PCB, cortex, iSub S	-
I073		Black body	SMD transistor, PCB, cortex, iSub S	-
I074		Black glue	Glue, PCB, cortex, iSub S	-
I075		Beige plastic	Socket, PCB, cortex, iSub S	-
I076		Golden metal	Pin, socket, PCB, cortex, iSub S	-
I077		Coppery metal	Coil, inductor, PCB, cortex, iSub S	-
I078		Black body	Inductor, PCB, cortex, iSub S	-
I079		White printed black body	SMD resistor, PCB, cortex, iSub S	-
I080		Brown body	SMD capacitor, PCB, cortex, iSub S	-
I081		Black foam	Foam, PCB, cortex, iSub S	-

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I082		Silvery solder	Solder, PCB, cortex, iSub S	-
I083		Red coated brown plastic with coppery metal	PCB, cortex, iSub S	-
I084		Coppery metal	Coil, inductor, small PCB, cortex, iSub S	-
I085		Black printed dark grey body	Inductor, small PCB, cortex, iSub S	-
I086		Silvery metal	Pin, inductor, small PCB, cortex, iSub S	-
I087		Silvery solder	Solder, small PCB, cortex, iSub S	-
I088		Red coated brown plastic with coppery metal	Small PCB, cortex, iSub S	-
I089		Beige plastic	Socket, PCB, cortex, iSub S	-
I090		Golden metal	Pin, socket, PCB, cortex, iSub S	-
I091		Coppery metal	Coil, inductor, PCB, cortex, iSub S	-
I092		Black body	Inductor, PCB, cortex, iSub S	-
I093		Black body	MOSFET transistor, PCB, cortex, iSub S	-
I094		Silvery metal	Pin, MOSFET transistor, PCB, cortex, iSub S	-
I095		Black body	SMD IC, PCB, cortex, iSub S	-
I096		Black body	Small SMD IC, PCB, cortex, iSub S	-
I097		Black body	SMD resistor, PCB, cortex, iSub S	-
I098		Black body	Small SMD resistor, PCB, cortex, iSub S	-
I099		Brown body	Big SMD capacitor, PCB, cortex, iSub S	-
I100		Brown body	Medium SMD capacitor, PCB, cortex, iSub S	-
I101		Brown body	Small SMD capacitor, PCB, cortex, iSub S	-

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I102		White printed black body	SMD resistor, PCB, cortex, iSub S	-
I103		Black body	SMD diode, PCB, cortex, iSub S	-
I104		Black body	SMD transistor, PCB, cortex, iSub S	-
I105		White soft plastic	Button, switch, PCB, cortex, iSub S	-
I106		Silvery metal	Case, switch, PCB, cortex, iSub S	-
I107		Silvery metal	Ring, switch, PCB, cortex, iSub S	-
I108		Black plastic	Base, switch, PCB, cortex, iSub S	-
I109		Silvery metal	Contact plate, switch, PCB, cortex, iSub S	-
I110		Black body	IC, PCB, cortex, iSub S	-
I111		Silvery metal	Pin, IC, PCB, cortex, iSub S	-
I112		Black body	IC“24”, PCB, cortex, iSub S	-
I113		Silvery metal	Pin, IC“24”, PCB, cortex, iSub S	-
I114		Black body	SMD IC, PCB, cortex, iSub S	-
I115		Black body	SMD resistor, PCB, cortex, iSub S	-
I116		Brown body	SMD capacitor, PCB, cortex, iSub S	-
I117		Brown body	Small SMD capacitor, PCB, cortex, iSub S	-
I118		White printed black body	SMD resistor, PCB, cortex, iSub S	-
I119		White printed black body	Small SMD resistor, PCB, cortex, iSub S	-
I120	Yellow body	SMD LED, PCB, cortex, iSub S	-	
I121	Black body	SMD diode, PCB, cortex, iSub S	-	
I122	Black body	SMD transistor, PCB, cortex, iSub S	-	

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I123		Black glue	Glue, PCB, cortex, iSub S	-
I124		Silvery solder	Solder, PCB, cortex, iSub S	-
I125		Red coated brown plastic with coppery metal	PCB, cortex, iSub S	-
I126		Grey printed black soft plastic	Sleeve, PCB, cortex, iSub S	-
I127		Black printed white body	EC, PCB, cortex, iSub S	-
I128		Coppery metal	Pin, EC, PCB, cortex, iSub S	-
I129		Silvery solder	Solder, PCB, cortex, iSub S	-
I130		Green coated brown plastic with coppery metal	PCB, cortex, iSub S	-
I131		Grey printed black soft plastic	Wire insulation, PCB, cortex, iSub S	-
I132		Grey printed red soft plastic	Wire insulation, PCB, cortex, iSub S	-
I133		Silvery plated coppery metal	Wire, PCB, cortex, iSub S	-
I134		Silvery metal	Long screw, cortex, iSub S	-
I135		Silvery metal	Medium screw, cortex, iSub S	-
I136		Silvery metal	Short screw, cortex, iSub S	-
I137		Silvery metal	Contact plate, USB plug, adapter, cortex, iSub S	-
I138		Silvery metal	Pin, USB plug, adapter, cortex, iSub S	-
I139		White plastic	Pin holder, USB plug, adapter, cortex, iSub S	-
I140		Silvery solder	Solder, USB plug, adapter, cortex, iSub S	-
I141		White soft plastic	Cover, USB plug, adapter, cortex, iSub S	-
I142		White soft plastic	Wire jacket, adapter, cortex, iSub S	-
I143		White soft plastic	Wire insulation, adapter, cortex, iSub S	-

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
I144		Red soft plastic	Wire insulation, adapter, cortex, iSub S	-
I145		Black soft plastic	Wire insulation, adapter, cortex, iSub S	-
I146		Green soft plastic	Wire insulation, adapter, cortex, iSub S	-
I147		Coppery metal	Wire, adapter, cortex, iSub S	-
I148		Silvery metal	Contact plate, AC plug, adapter, cortex, iSub S	-
I149		Silvery metal	Pin, AC plug, adapter, cortex, iSub S	-
I150		Black plastic	Pin holder, AC plug, adapter, cortex, iSub S	-
I151		Silvery solder	Solder, AC plug, adapter, cortex, iSub S	-
I152		White soft plastic	Cover, AC plug, adapter, cortex, iSub S	-
I153			Silvery printed blue plated metal	Housing, PCB, cortex, iSub S
I154	Silvery printed red plated metal		Housing, PCB, cortex, iSub S	-
I155	Silvery printed black plated metal		Housing, PCB, cortex, iSub S	-

TEST RESULT

Compliance Test – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

-	Result						
Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I001	ND	ND	ND	Negative*	NA	NA	PASS
I002	ND	ND	ND	Negative*	NA	NA	PASS
I003	ND	ND	ND	Negative*	NA	NA	PASS
I004	ND	ND	ND	Negative*	NA	NA	PASS
I005	33000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I006	ND	ND	ND	ND	ND	ND	PASS
I007	ND	ND	ND	ND	ND	ND	PASS
I008	ND	ND	ND	ND	ND	ND	PASS
I009	ND	ND	ND	Negative*	NA	NA	PASS
I010	ND	ND	ND	Negative*	NA	NA	PASS
I011	ND	ND	ND	ND	ND	ND	PASS
I012	ND	ND	ND	Negative*	NA	NA	PASS
I013	ND	ND	ND	Negative*	NA	NA	PASS
I014	ND	ND	ND	Negative*	NA	NA	PASS
I015	ND	ND	ND	Negative*	NA	NA	PASS
I016	ND	ND	ND	Negative*	NA	NA	PASS
I017	34000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I018	ND	ND	ND	ND	NA	NA	PASS
I019	ND	ND	ND	ND	NA	NA	PASS
I020	ND	ND	ND	ND	NA	NA	PASS
I021	ND	ND	ND	ND	ND	ND	PASS
I022	30000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I023	ND	ND	ND	ND	ND	ND	PASS
I024	ND	ND	ND	ND	ND	ND	PASS
I025	ND	ND	ND	Negative*	NA	NA	PASS
I026	32000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I027	31000*	ND	ND	ND	NA	NA	EXEMPTED [#]

Parameter	Result						Conclusion
	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I028	23000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I029	ND	ND	ND	ND	NA	NA	PASS
I030	ND	ND	ND	Negative*	NA	NA	PASS
I031	ND	ND	ND	ND	ND	ND	PASS
I032	ND	ND	ND	ND	ND	ND	PASS
I033	ND	ND	ND	Negative*	NA	NA	PASS
I034	ND	ND	ND	ND	ND	ND	PASS
I035	ND	ND	ND	ND	ND	ND	PASS
I036	ND	ND	ND	ND	ND	ND	PASS
I037	ND	ND	ND	ND	ND	ND	PASS
I038	ND	ND	ND	Negative*	NA	NA	PASS
I039	ND	ND	ND	ND	ND	ND	PASS
I040	ND	ND	ND	ND	ND	ND	PASS
I041	ND	ND	ND	ND	ND	ND	PASS
I042	ND	ND	ND	ND	NA	NA	PASS
I043	ND	ND	ND	Negative*	NA	NA	PASS
I044	27000*	ND	ND	ND	NA	NA	EXEMPTED [#]
I045	ND	ND	ND	ND	ND	ND	PASS
I046	ND	ND	ND	ND	NA	NA	PASS
I047	ND	ND	ND	ND	NA	NA	PASS
I048	ND	ND	ND	ND	NA	NA	PASS
I049	ND	ND	ND	ND	ND	ND	PASS
I050	ND	ND	ND	ND	ND	ND	PASS
I051	ND	ND	ND	ND	NA	NA	PASS
I052	ND	ND	ND	Negative*	NA	NA	PASS
I053	ND	ND	ND	ND	ND	ND	PASS
I054	ND	ND	ND	ND	ND	ND	PASS
I055	ND	ND	ND	ND	ND	ND	PASS
I056	ND	ND	ND	ND	ND	ND	PASS
I057	ND	ND	ND	ND	ND	ND	PASS
I058	ND	ND	ND	Negative*	NA	NA	PASS
I059	ND	ND	ND	ND	ND	ND	PASS
I060	ND	ND	ND	Negative*	NA	NA	PASS
I061	ND	ND	ND	ND	ND	ND	PASS
I062	ND	ND	ND	ND	NA	NA	PASS

Parameter	Result						Conclusion
	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I063	ND	ND	ND	ND	NA	NA	PASS
I064	ND	ND	ND	ND	NA	NA	PASS
I065	ND	ND	ND	ND	ND	ND	PASS
I066	ND	ND	ND	ND	ND	ND	PASS
I067	ND	ND	ND	ND	ND	ND	PASS
I068	ND	ND	ND	ND	ND	ND	PASS
I069	ND	ND	ND	ND	ND	ND	PASS
I070	ND	ND	ND	ND	ND	ND	PASS
I071	ND	ND	ND	ND	ND	ND	PASS
I072	ND	ND	ND	ND	ND*	ND*	PASS
I073	ND	ND	ND	ND	ND	ND	PASS
I074	ND	ND	ND	ND	ND	ND	PASS
I075	ND	ND	ND	ND	ND*	ND*	PASS
I076	ND	ND	ND	ND	NA	NA	PASS
I077	ND	ND	ND	ND	NA	NA	PASS
I078	ND	ND	ND	ND	NA	NA	PASS
I079	ND	ND	ND	ND	ND	ND	PASS
I080	ND	ND	ND	ND	ND	ND	PASS
I081	ND	ND	ND	ND	ND	ND	PASS
I082	ND	ND	ND	ND	NA	NA	PASS
I083	ND	ND	ND	ND	ND*	ND*	PASS
I084	ND	ND	ND	ND	NA	NA	PASS
I085	ND	ND	ND	Negative*	NA	NA	PASS
I086	ND	ND	ND	ND	NA	NA	PASS
I087	ND	ND	ND	ND	NA	NA	PASS
I088	ND	ND	ND	ND	ND*	ND*	PASS
I089	ND	ND	ND	ND	ND*	ND*	PASS
I090	ND	ND	ND	ND	NA	NA	PASS
I091	ND	ND	ND	ND	NA	NA	PASS
I092	ND	ND	ND	ND	NA	NA	PASS
I093	ND	ND	ND	ND	ND	ND	PASS
I094	ND	ND	ND	ND	NA	NA	PASS
I095	ND	ND	ND	ND	ND	ND	PASS
I096	ND	ND	ND	ND	ND	ND	PASS
I097	ND	ND	ND	ND	ND	ND	PASS

Parameter	Result						Conclusion
	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I098	ND	ND	ND	ND	ND	ND	PASS
I099	ND	ND	ND	ND	ND	ND	PASS
I100	ND	ND	ND	ND	ND	ND	PASS
I101	ND	ND	ND	ND	ND	ND	PASS
I102	ND	ND	ND	ND	ND	ND	PASS
I103	ND	ND	ND	ND	ND*	ND*	PASS
I104	ND	ND	ND	ND	ND	ND	PASS
I105	ND	ND	ND	ND	ND	ND	PASS
I106	ND	ND	ND	Negative*	NA	NA	PASS
I107	ND	ND	ND	Negative*	NA	NA	PASS
I108	ND	ND	ND	ND	ND	ND	PASS
I109	ND	ND	ND	ND	NA	NA	PASS
I110	ND	ND	ND	ND	ND	ND	PASS
I111	ND	ND	ND	ND	NA	NA	PASS
I112	ND	ND	ND	ND	ND	ND	PASS
I113	ND	ND	ND	ND	NA	NA	PASS
I114	ND	ND	ND	ND	ND	ND	PASS
I115	ND	ND	ND	ND	ND	ND	PASS
I116	ND	ND	ND	ND	ND	ND	PASS
I117	ND	ND	ND	ND	ND	ND	PASS
I118	ND	ND	ND	ND	ND	ND	PASS
I119	ND	ND	ND	ND	ND	ND	PASS
I120	ND	ND	ND	ND	ND	ND	PASS
I121	ND	ND	ND	ND	ND*	ND*	PASS
I122	ND	ND	ND	ND	ND	ND	PASS
I123	ND	ND	ND	ND	ND	ND	PASS
I124	ND	ND	ND	ND	NA	NA	PASS
I125	ND	ND	ND	ND	ND*	ND*	PASS
I126	ND	ND	ND	ND	ND*	ND*	PASS
I127	ND	ND	ND	ND	ND	ND	PASS
I128	ND	ND	ND	ND	NA	NA	PASS
I129	ND	ND	ND	ND	NA	NA	PASS
I130	ND	ND	ND	ND	ND*	ND*	PASS
I131	ND	ND	ND	ND	ND	ND	PASS
I132	ND	ND	ND	ND	ND	ND	PASS

Parameter	Result						Conclusion
	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	
Unit	mg/kg						-
Test Item(s)	-	-	-	-	-	-	-
I133	ND	ND	ND	ND	NA	NA	PASS
I134	ND	ND	ND	ND	NA	NA	PASS
I135	ND	ND	ND	Negative*	NA	NA	PASS
I136	ND	ND	ND	ND	NA	NA	PASS
I137	ND	ND	ND	ND	NA	NA	PASS
I138	ND	ND	ND	ND	NA	NA	PASS
I139	ND	ND	ND	ND	ND	ND	PASS
I140	ND	ND	ND	ND	NA	NA	PASS
I141	ND	ND	ND	ND	ND	ND	PASS
I142	ND	ND	ND	ND	ND	ND	PASS
I143	ND	ND	ND	ND	ND	ND	PASS
I144	ND	ND	ND	ND	ND	ND	PASS
I145	ND	ND	ND	ND	ND	ND	PASS
I146	ND	ND	ND	ND	ND	ND	PASS
I147	ND	ND	ND	ND	NA	NA	PASS
I148	ND	ND	ND	Negative*	NA	NA	PASS
I149	ND	ND	ND	Negative*	NA	NA	PASS
I150	ND	ND	ND	ND	ND	ND	PASS
I151	ND	ND	ND	ND	NA	NA	PASS
I152	ND	ND	ND	ND	ND	ND	PASS
I153	ND	ND	ND	ND	NA	NA	PASS
I154	ND	ND	ND	ND	NA	NA	PASS
I155	ND	ND	ND	ND	NA	NA	PASS



LAB NO. : (8815)362-0139
DATE : Jan 13, 2016
PAGE : 16 OF 18

Note / Key:

ND = Not detected	">" = Greater than	"<" = Less than
NR = Not requested	mg/kg = milligram(s) per kilogram = ppm = part(s) per million	
NA = Not applicable	% = percent	10000 mg/kg = 1 %
Detection Limit : See Appendix.		

Remark:

- The testing approach is listed in table of Appendix.
 - * denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
 - According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
 - #According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 6(c) is reiterated here "Copper alloy containing up to 4 % lead by weight.". Test Item(s) 005, 017, 022, 026, 027, 028, 044 were claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found lead level should be exempted.
-

APPENDIX

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit							
[Compliance Test for European Parliament and Council Directive 2011/65/EU] :							
No.	Name of Analytes	Detection Limit (mg/kg)				Wet Chemistry	Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF)^[a]					
		Plastic	Metallic / glass / ceramic	Others			
1	Lead (Pb)	100	200	200	10 ^[b]	1000	
2	Cadmium (Cd)	50	50	50	10 ^[b]	100	
3	Mercury (Hg)	100	200	200	10 ^[c]	1000	
4	Chromium (Cr)	100	200	200	NA	NA	
5	Chromium VI (Cr VI)	NA	NA	NA	3 ^[g, h] / 10 ^[d] / Sec ^[e, i]	1000 / Negative ^[j]	
6	Bromine (Br)	200	NA	200	NA	NA	
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50 ^[f]	Sum 1000	
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50 ^[f]	Sum 1000	



LAB NO. : (8815)362-0139
DATE : Jan 13, 2016
PAGE : 18 OF 18

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

NA = Not applicable

- [a] Test method with reference to International Standard IEC 62321-3-1: 2013.
- [b] Test method with reference to International Standard IEC 62321-5: 2013.
- [c] Test method with reference to International Standard IEC 62321-4: 2013.
- [d] Polymers and Electronics - Test method with reference to European Standard EN 62321: 2009, Annex C.
- [e] Metal - Test method with reference to European Standard EN 62321: 2009, Annex B^[1].
- [f] Test method with reference to International Standard IEC 62321-6: 2015.
- [g] Leather - Test method International Standard ISO 17075: 2007.
- [h] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075: 2007.
- [i] The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples. Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1).
- [j]

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :

The testing approach was with reference to the following document(s).

- 1 International Standards IEC 62321-1: 2013 and IEC 62321-2: 2013
- 2 "RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)
- 3 "RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)
- 4 "Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium" by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)

*** End of Report ***