



Test Report

No.: CTL1609266701-R

Date: Oct. 10, 2016

Page 1 of 5

Applicant: USU019

Address:

Manufacturer: USU019

Address:

Sample Name: CHARGING CABLE

Model No: CA-02

Trade Mark: Spector&co

Test period: Sept. 26, 2016 to Oct. 9, 2016

Test requested: RoHS Directive 2011/65/EU Annex II

Test Method: IEC62321 Edition 1.0:2008 method: Regulated Substances Content of test process with Electrical & Electronic Products

(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, determination of Mercury by ICP-OES.

(4)With reference to IEC 62321:2008, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.

(5)With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

Written by:

Olivia Li

Approved by:



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Date: Oct. 10, 2016

Page 2 of 5

Test Results:

Part No.	Part Name	Restricted Substances	Unit	Results	Reference report No.
1	Black material of USB	Cd	mg/kg	N.D.	SGS Report No.: CANEC150804252
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
2	Metal part of USB plug	Cd	mg/kg	N.D.	SGS Report No.: GZ1507075526/CHEM
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
3	White material of USB plug	Cd	mg/kg	N.D.	SGS Report No.: CANEC1504513521
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
4	Brown material	Cd	mg/kg	N.D.	SGS Report No.: CE/2016/01162
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
5	White skin of line	Cd	mg/kg	N.D.	SGS Report No.: CANEC1508042523
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	

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Test Report

No.: CTL1609266701-R

Date: Oct. 10, 2016

Page 3 of 5

6	Black skin of line	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1609638953
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
7	Green skin of line	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1506365216
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
8	Red skin of line	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1511735635
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
9	Copper wire	Cd	mg/kg	N.D.	SGS Report No.: SHAEC1601376947
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	
10	thread	Cd	mg/kg	N.D.	SGS Report No.: CE/2015/45623
		Pb	mg/kg	N.D.	
		Hg	mg/kg	N.D.	
		Cr ⁶⁺	mg/kg	N.D.	
		PBBs	mg/kg	N.D.	
		PBDEs	mg/kg	N.D.	

Test Report

No.: CTL1609266701-R

Date: Oct. 10, 2016

Page 4 of 5

ROHS Requirement

Restricted substances	MDL	Limits
Lead(Pb)	5	0.1%(1000 ppm)
Cadmium(Cd)	5	0.01%(100 ppm)
Chromium(VI)(Cr6+)	5	0.1%(1000 ppm)
Mercury(Hg)	5	0.1%(1000 ppm)
Polybrominated biphenyls(PBBs)	5	0.1%(1000 ppm)
Polybrominated diphenyl ethers(PBDEs)	5	0.1%(1000 ppm)

Note:

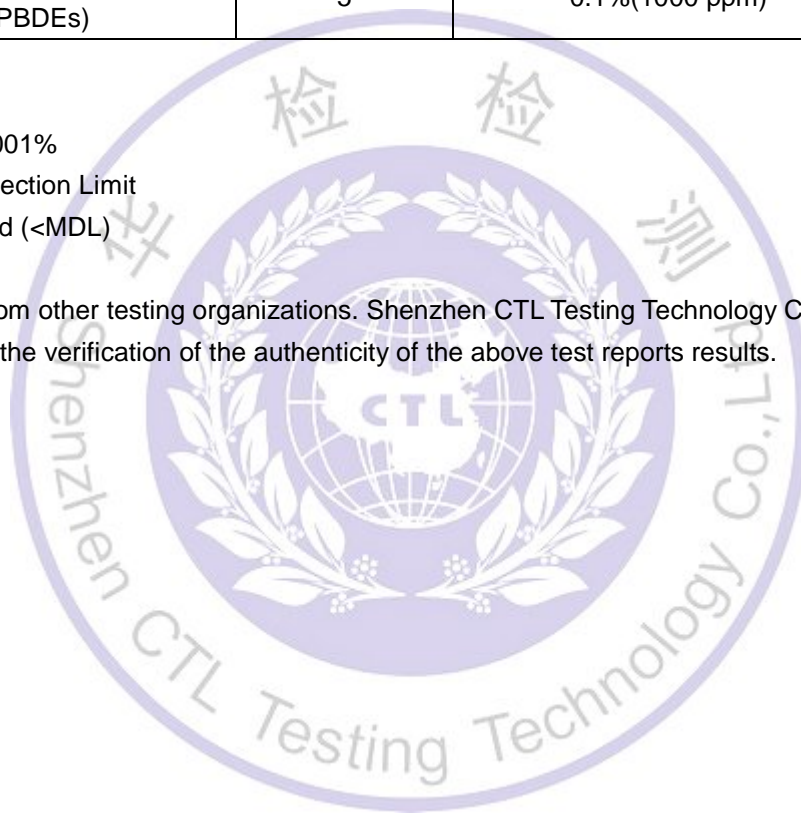
_mg/kg=ppm=0.0001%

-MDL=Method Detection Limit

-N.D. =not detected (<MDL)

-Photo is included

-Test results are from other testing organizations. Shenzhen CTL Testing Technology Co., Ltd. has no liability to assume the verification of the authenticity of the above test reports results.



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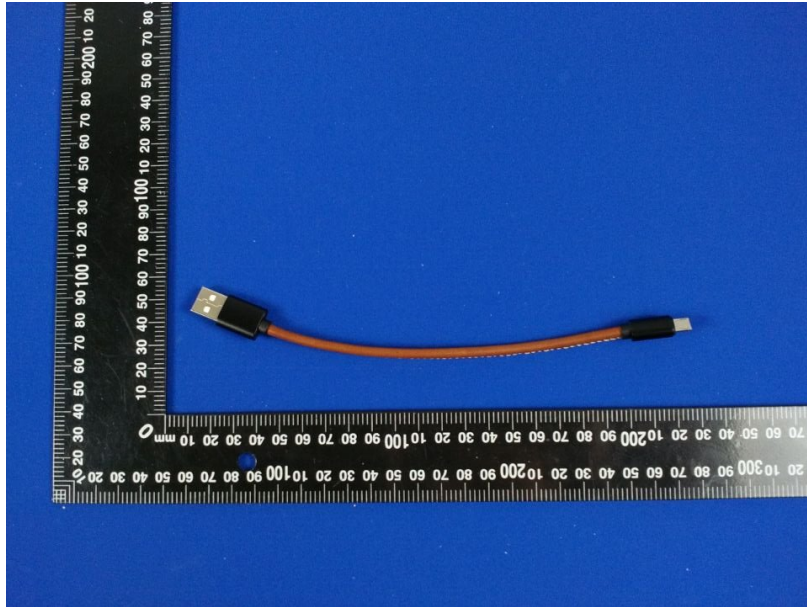
Test Report

No.: CTL1609266701-R

Date: Oct. 10, 2016

Page 5 of 5

Photographs of Sample:



THE END

