

Test Report No.: **1160039302a 001**

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Client: **Zhejiang Uniview Technologies Co., Ltd.**
1-3/F Area A and 2/F Area B, Building 2 ; 1-11/F South Tower, Building 10,
88 Jiangling Road, Xixing Town, Binjiang District, Hangzhou City

Test item(s): LAN Cable

Test Model No(s): CAB-LC2100A-IN

Reference Style No(s): CAB-LC2100B-IN, CAB-LC2100mmm-xxxxxxx-yyy-yyyyy-zzz

Sample Receiving date: 2017-09-15

Delivery condition: **Apparent good, Samples tested as received**

Test period: 2017-09-18 – 2017-09-25

Test specification:

Customer's requirement:

1. According to RoHS (recast):Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU
2. ROHS Phthalates (BBP,DBP, DEHP, DIBP)

Test result:

PASS

PASS

Other Information: NA

For and on behalf of
TÜV Rheinland / CCIC (Ningbo) Co., Ltd.



2017-09-28 Cherry Yan Project Coordinator

Date Name/Position

Test result is drawn according to the kind and extent of tests performed.

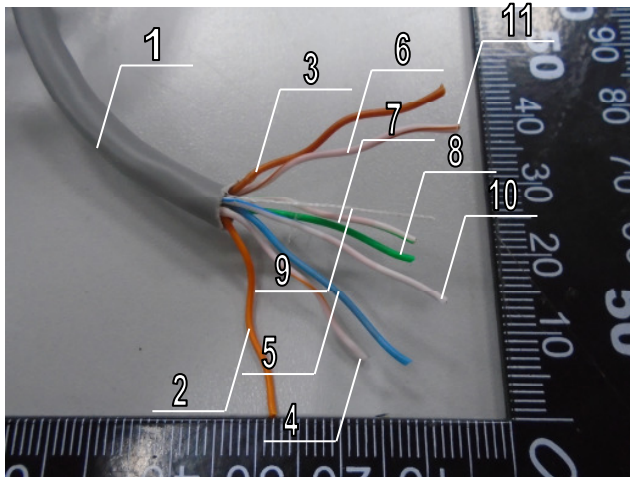
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A. Screening Test by XRF Spectroscopy

Test Method: Cadmium, Lead, Mercury, Chromium, Bromine
- With reference to IEC 62321-3-1: 2013



Material No.	Result (mg/kg)				
	Cd	Pb	Cr	Hg	Br
	Limit(mg/kg)				
	100	1000	Cr(VI): 1000	1000	PBB:1000 PBDE:1000
1(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
2(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
3(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
4(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
5(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
6(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
7(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
8(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
9(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
10(plastic)	n.d.	n.d.	n.d.	n.d.	n.d.
11(metal)	n.d.	n.d.	n.d.	n.d.	N.A.

Abbreviation:

Pb denotes Lead
Cd denotes Cadmium
Hg denotes Mercury
Cr denotes Chromium
Cr(VI) denotes Chromium(VI)
Br denotes Bromine

PBBs denotes Total Polybrominated Biphenyls
 PBDEs denotes Total Polybrominated Diphenyl Ethers
 < denotes less than
 N.A. denotes Not Applicable
 n.d. denotes Not Detected
 d denotes Detected

Remark:

(^1) The screening result was found in the inconclusive region (X), thus the further wet chemistry tests are suggested.

(^2) For metal sample, the Chromium (VI) content have been confirmed with reference to IEC 62321-7-1:2015.

For plastic sample or electronic sample, the Chromium (VI) content have been confirmed with reference to IEC 62321:2008 Annex C.

XRF Screening limits for different materials:

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metallic material	$P \leq 50 < X \leq 150 < F$	$P \leq 630 < X$	$P \leq 690 < X \leq 1360 < F$	$P \leq 520 < X \leq 1560 < F$	NA
Polymeric material	$P \leq 50 < X \leq 150 < F$	$P \leq 630 < X$	$P \leq 690 < X \leq 1360 < F$	$P \leq 520 < X \leq 1560 < F$	$P \leq 300 < X$
Electronic material	$P \leq 50 < X \leq 180 < F$	$P \leq 500 < X$	$P \leq 550 < X \leq 1640 < F$	$P \leq 410 < X \leq 1870 < F$	$P \leq 240 < X$

* Component(s)/ materials(s) with an area of less than 2mm x2 mm will not be selected for testing according to RoHS Directive 2011/65/EU due to technical reason.

For the test sample does not have detail materials information provided by client, visually identical materials (e.g. wire insulation, solder points, etc.) will be considered as the same material.

Solder points on a printing circuit board will be examined several times based on optical anomalies or discoloration of the solder point(s) unless the solder point(s) is obviously generated automatically during production.

All other materials will be sampled and tested at one test point representatively

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2. BBP, DBP, DEHP, DIBP content

Test method: Organic solvent extraction, analyzed by GCMS

Test result:

	BBP	DBP	DEHP	DIBP
Maximum Permissible Limit ppm (mg/kg)	1000	1000	1000	1000

Test No.	Material No.	(mg/kg)			
		BBP	DBP	DEHP	DIBP
		RL (mg/kg)			
		50	50	50	50
T001	1+2+3	n.d.	n.d.	n.d.	n.d.
T002	4+5+6	n.d.	n.d.	n.d.	n.d.
T003	7+8	n.d.	n.d.	n.d.	n.d.
T004	9+10	n.d.	n.d.	n.d.	n.d.
--	11	N.A.	N.A.	N.A.	N.A.

Abbreviation : BBP = Benzylbutyl phthalate
 DBP = Dibutyl phthalate
 DEHP = Bis(2-ethylhexyl) phthalate
 DIBP = Diisobutyl phthalate
 n.d. = Not Detected (< Reporting Limit)
 RL = Reporting Limit
 N.A. = Not Applicable
 mg/kg = milligram per kilogram

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Sample photo:



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