



**CENTRE OF TESTING SERVICE
INTERNATIONAL**

OPERATE ACCORDING TO ISO/IEC 17025

TEST REPORT

Test Report Number : CNB3160223-00455-C



CTS (Ningbo) Testing Service Technology Co., Ltd.

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1 General Information

1.1 Application Details

Name : Zibo Runlin Industry and Trade Co. Ltd. (Zibo Runxu Cable Accessories Co. Ltd.)
Address : No. 1028 Renmin Road, Linzi, Zibo, Shandong
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /

1.2 Manufacturer & Buyer

Manufacturer name : Zibo Runxu Cable Accessories Co. Ltd.
Address : /
Contact : /
Telephone : /
Fax : /
Mobile telephone : /
Email : /
Buyer name : Zibo Runlin Industry and Trade Co. Ltd.

1.3 Description of the Test Item

Sample name : Plastic support belt (pipe)
Model No. : 1kv-110kv
Brand name : /
Condition of sample(s) : EFFECTIVE

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2 Test Results

2.1 General Information

2.1.1 Sample Receiving Date

Feb. 23, 2016

2.1.2 Testing Period

Feb. 23, 2016 to Feb. 29, 2016

2.1.3 Test Requested

Please refer to next page(s).

2.1.4 Test Method

Please refer to next page(s).

2.1.5 Test Results

Please refer to next page(s).

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2.2 Results

2.2.1 Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs)

Based on the performed tests on submitted samples, the results of Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Test Item(s)	Test Method	Test Instrument
Lead (Pb)	With reference to IEC 62321-5:2013	ICP-AES
Cadmium (Cd)	With reference to IEC 62321-5:2013	ICP-AES
Mercury (Hg)	With reference to IEC 62321-4:2013	ICP-AES
Chromium VI (Cr VI)	With reference to IEC 62321:2008	UV-Vis
PBBs	With reference to IEC 62321:2008	GC-MS
PBDEs		

Test Item(s)	Unit	Limit	MDL	Result
				No.1
Lead (Pb)	mg/kg	1000	2	N.D.
Cadmium (Cd)	mg/kg	100	2	N.D.
Mercury (Hg)	mg/kg	1000	2	N.D.
Chromium VI (CrVI) by alkaline extraction	mg/kg	1000	2	N.D.
Sum of PBBs	mg/kg	1000	---	N.D.
Monobromobiphenyl	mg/kg	---	5	N.D.
Dibromobiphenyl	mg/kg	---	5	N.D.
Tibromobiphenyl	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.
Nonabromodiphenyl	mg/kg	---	5	N.D.
Decabromodiphenyl	mg/kg	---	5	N.D.
Sum of PBDEs	mg/kg	1000	---	N.D.
Monobromodiphenyl ether	mg/kg	---	5	N.D.

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Dibromodiphenyl ether	mg/kg	---	5	N.D.
Tibromodiphenyl 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.

Note : 1. Specimens, which requested to determine Cadmium, Mercury and Lead content, have been dissolved completely.
 2. N.D. = not detected (less than MDL)
 3. 1 mg/kg=1 ppm=0.0001%
 4. MDL= Method Detect Limit
 5. The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II.

2.2.2 Phthalates

Based on the performed tests on submitted samples, the results of phthalates comply with the limits as set by RoHS Directive 2011/65/EU Annex II and its amendment 2015/863/EU.

Test Method : Determination of phthalates by GC-MS based on EN 14372:2004.

Substance Name	Limit	Unit	MDL	Result
				No.1
Dibutyl phthalate (DBP)	0.1	%	0.005	N.D.
Benzyl butyl phthalate (BBP)	0.1	%	0.005	N.D.
Bis (2-ethyl(hexyl)phthalate) (DEHP)	0.1	%	0.005	N.D.
Diisobutyl phthalate (DIBP)	0.1	%	0.005	N.D.

Note : 1. N.D. = not detected (less than MDL)
 2. 1 mg/kg=1 ppm=0.0001%
 3. MDL= Method Detect Limit
 4. The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II and its amendment 2015/863/EU.

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Test Part Description :

No.1 : White plastic pipe

Written by: *Jessie*

Inspected by: *Susei*

Approved by: *Jan*



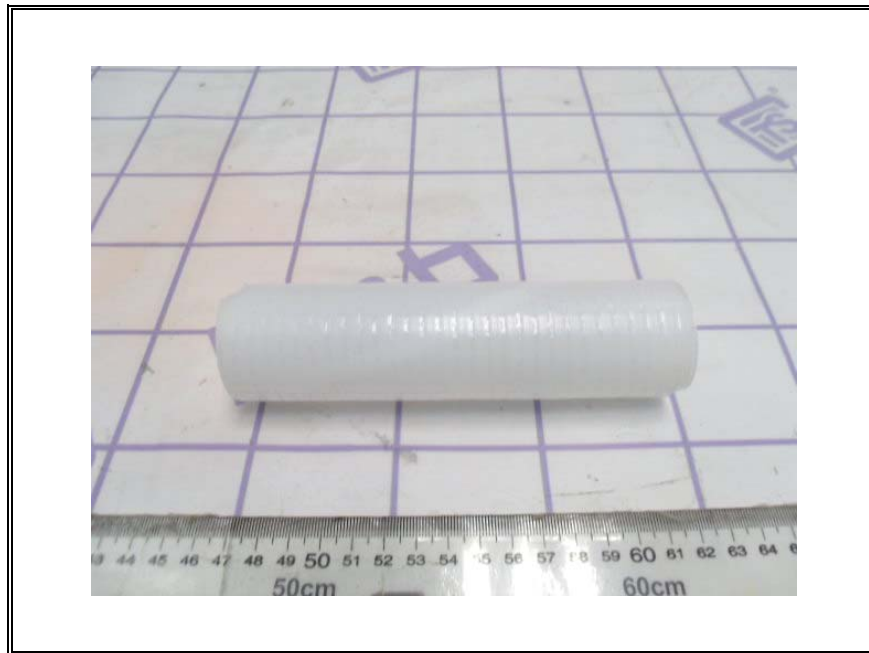
End of Report

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3 Sample Reference Photo



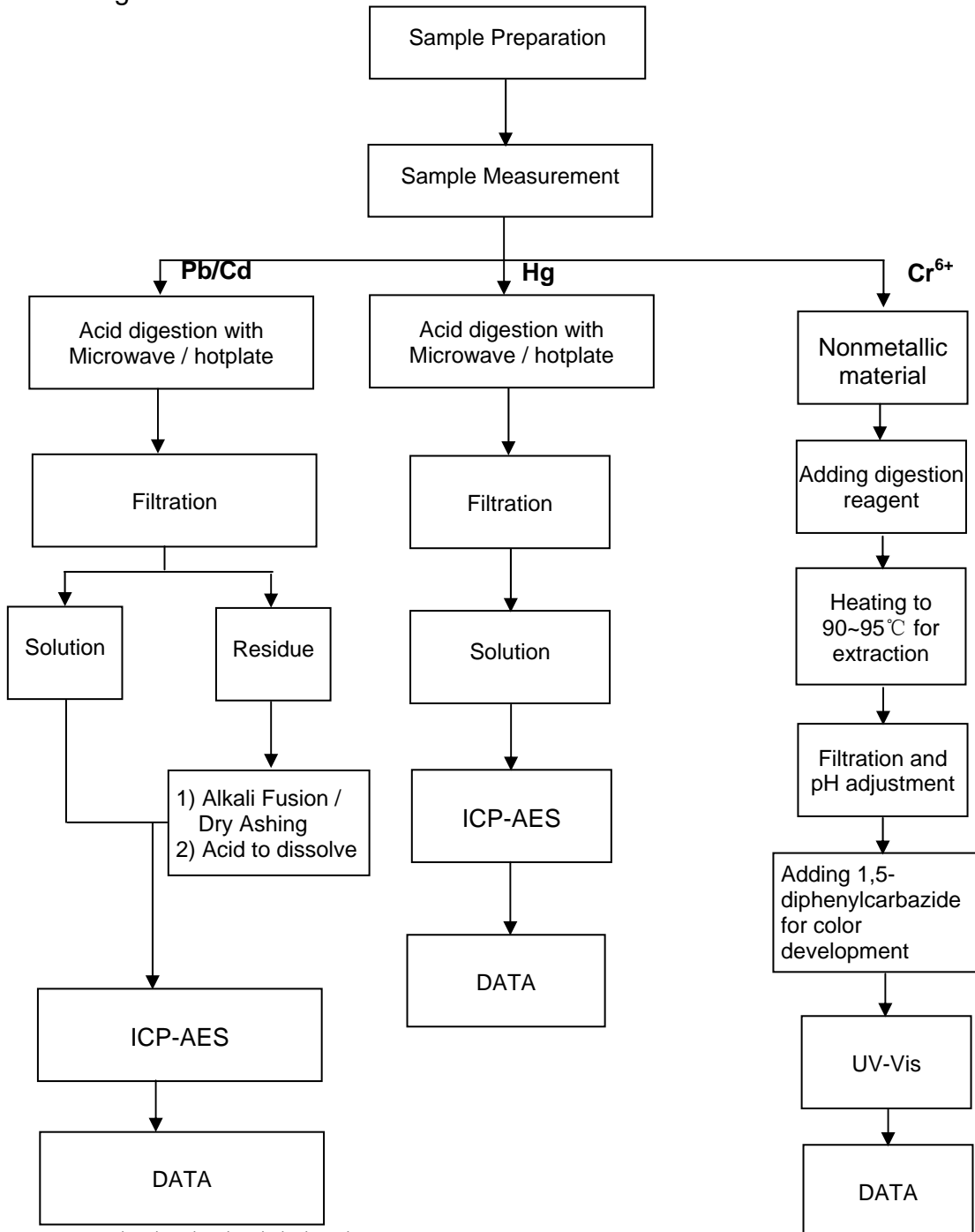
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4 Attachment

Testing Flow Chart



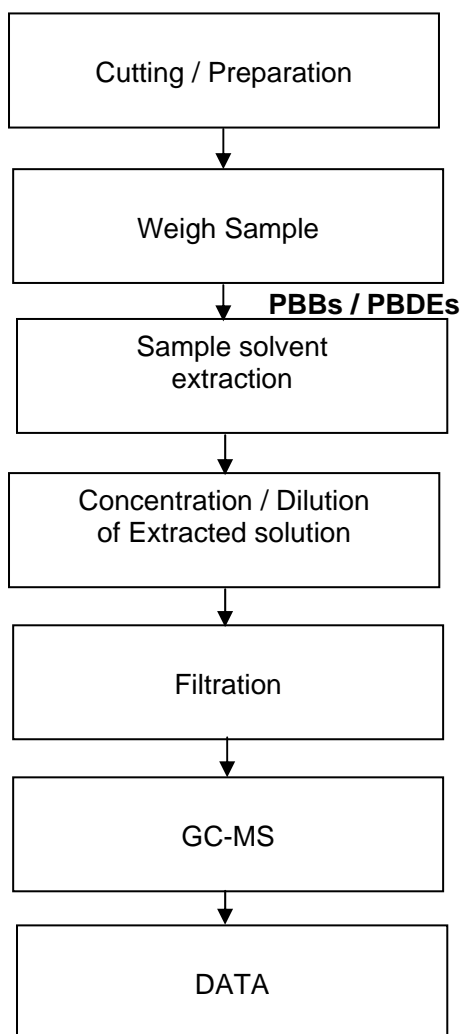
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Testing Flow Chart



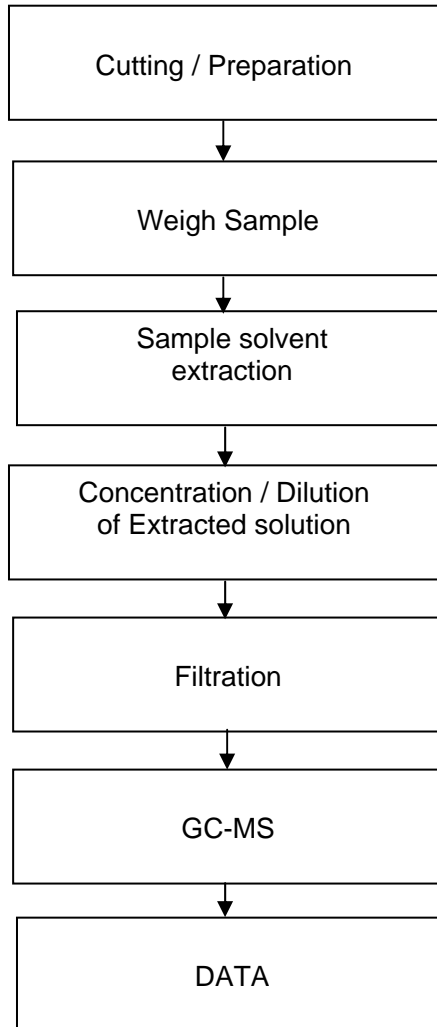
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Phthalates Testing Flow Chart



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