



Test Report

No. XMT0202130078LY/RoHS

Date: Apr.14,2021

Page 1 of 6

REPORT NO. XMT0202130078LY/RoHS

APPLICANT DORNA Technology Co., Ltd(Shanghai) Co., Ltd

ADDRESS No .99 Zhuangchi Middle Road, Ganyao Industrial Park, Jiashan, Zhejiang China

MANUFACTURER: DORNA Technology Co., Ltd(Shanghai) Co., Ltd

ADDRESS No .99 Zhuangchi Middle Road, Ganyao Industrial Park, Jiashan, Zhejiang China

The following sample(s) was/were submitted and identified by/on behalf of the client as:

SAMPLE NAME AC SERVO DRIVER

MODEL EPS-B1-0001BA-A000

Sample Receiving Date Apr.09,2021

Testing Period Apr.09,2021—Apr.14,2021

Test Requested Selected test(s) as requested by client.

Test Method Please refer to next page(s).

Test Results Please refer to next page(s).

Conclusion Based on the performed tests on submitted samples, the results comply with the 2011/65/EU amended by 2015/863/EU Restriction of the use of certain hazardous substances (RoHS)



Tested By:

John Chen - Engineer

Reviewed By:

Amy Zhang - Lab Manager



Test Report

No. XMT0202130078LY/RoHS

Date: Apr. 14, 2021

Page 2 of 6

Test Results :

Test Part Description :

Specimen No.- M/N	Specification	-	Description
1 / 1	EPS-B1-0001BA-A000		AC SERVO DRIVER

Remarks : (1) 1 mg/kg = 1 ppm = 0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (< MDL)
(4) "-" = Not Regulated

RoHS Directive 2011/65/EU amended by 2015/863/EU

Test Method :

- (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+A1:2017, Determination of Mercury by ICP-OES.
- (4) With reference to IEC 62321-7-2:2017, Determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
- (5) With reference to IEC 62321-6:2015, Determination of PBBs and PBDEs content by GC-MS.

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1,000	mg/kg	2	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND

Shanghai Ximo Testing Technology Co., Ltd.

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Test Report

No. XMT0202130078LY/RoHS

Date: Apr.14,2021

Page 3 of 6

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Di-butyl Phthalate (DBP)	1000	mg/kg	50	ND
Benzyl Butyl Phthalate(BBP)	1000	mg/kg	50	ND
Di-2-Ethyl Hexyl Phthalate(DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates(DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from the document RoHS Directive 2011/65/EU amended by 2015/863/EU

Halogen

Test Method : With reference to EN 14582: 2007, analysis was performed by Ion Chromatograph (IC).

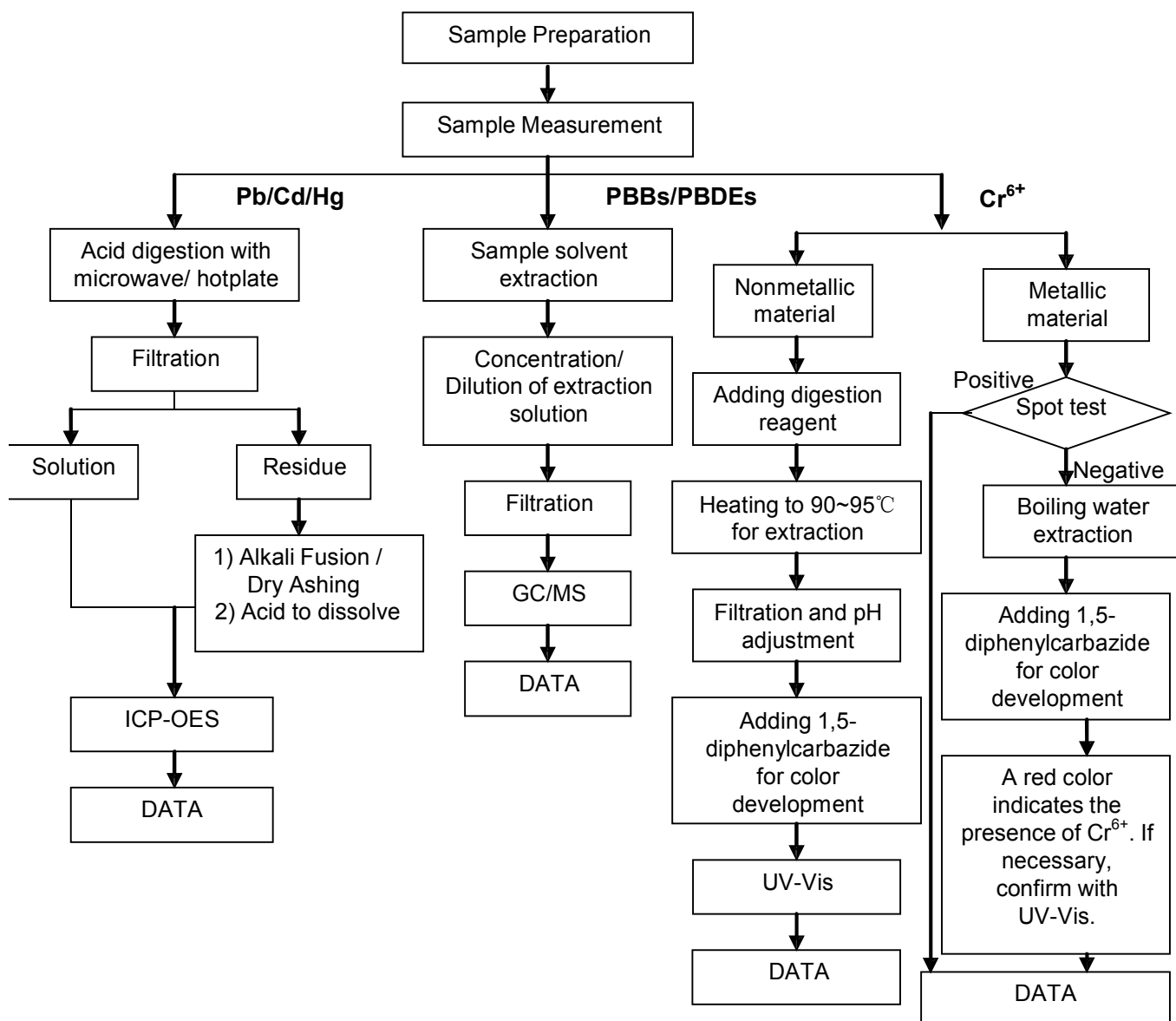
<u>Test Item(s)</u>	<u>Unit</u>	<u>MDL</u>	<u>001</u>
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND



ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Allen Xiao/ Spring Zuo / Andy Zhao /Elim Lin
- 2) Name of the person in charge of testing: Jeff Zhang/George Xu/Tracy Yue
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} and PBBs/PBDEs test method excluded)





Halogen Testing Flow Chart

1) Name of the person who made testing: Daisy Gong

2) Name of the person in charge of testing: Alex Jiang

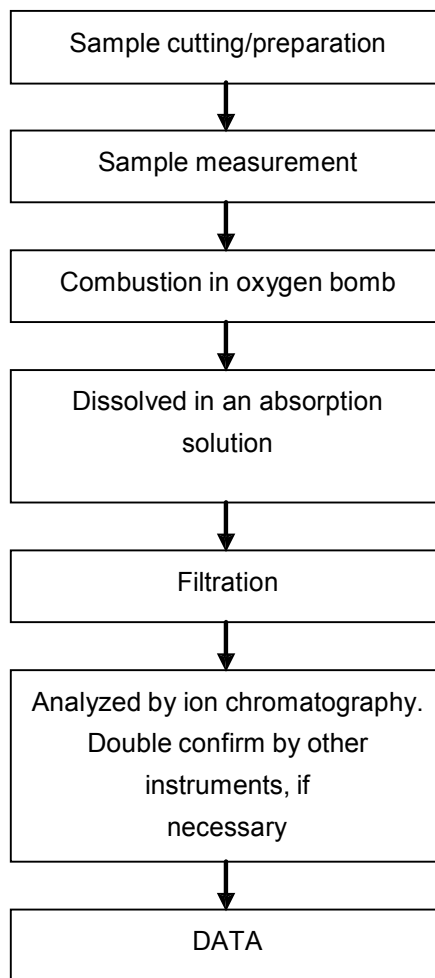




Photo of Samples



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