Report No.: HS202410177899-1ER



# RoHS TEST REPORT

#### Prepared for:

Hengshui Jingtong Rubber Co., Ltd

Southeast corner of Guihua Street, Hegang Road, Wuyi County Economic Development Zone, Hengshui city, Hebei province, China (Wuyi science and technology enterprise Entrepreneurial Park 11-3)

Product: Anti-seismic devices

Trade Mark: N/A

Model Name: JT152JW

Date of Test: Oct.14,2024 to Oct.17,2024

Date of Report: Oct.17,2024

Report Number: HS202410177899-1ER

#### Prepared By:

Shenzhen Huasheng Test Technology Co., Ltd.

Room1004, NO.8, Chongqing Road, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Tel: +86-755-2357 0025

Website: www.huashengtest.com E-mail: huasheng@huashengtest.com

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# **TEST RESULT CERTIFICATION**

Applicant : Hengshui Jingtong Rubber Co., Ltd

Southeast corner of Guihua Street, Hegang Road, Wuyi County Economic

Address : Development Zone, Hengshui city, Hebei province, China (Wuyi science and

technology enterprise Entrepreneurial Park 11-3)

Manufacturer : Hengshui Jingtong Rubber Co., Ltd

Southeast corner of Guihua Street, Hegang Road, Wuyi County Economic

Address : Development Zone, Hengshui city, Hebei province, China (Wuyi science and

technology enterprise Entrepreneurial Park 11-3)

Product name : Anti-seismic devices

Product model : JT152JW

Trade Mark : N/A

Date of Sample Received : Oct.14,2024

**Testing Period** : Oct.14,2024 to Oct.17,2024

Test Requested: Conclusion

Based on the performed test on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as bis-(2-ethylhexyl)-Phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl Phthalate (DBP), Diisobutyl Phthalate (DIBP) comply with the limits as set by RoHS Directive 2015/863/EU amending Annex II to Directive 2011/65/EU.

**PASS** 

Prepared by:

Project Engineer

Reviewed by:

Project M

Sww

Approved by:

Technical Director

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# \*\* Modified History \*\*

Revision Description		Issued Data	Remark	
Revision 1.0	Initial Test Report Release	2024/10/17	Smile Xu	
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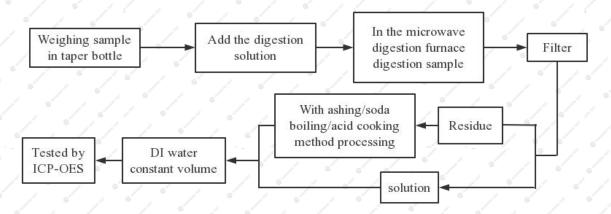
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# 1.Test Method(s):

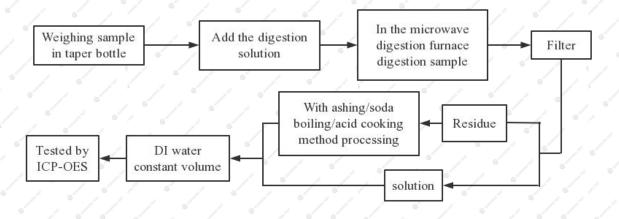
Testing item	Testing Method	Equipment
Screening analysis by XRF	Salar	and the second second
Lead(Pb)		S and a second
Cadmium(Cd)		at selection of applications
Mercury(Hg)	IEC 62321-3-1-2013	ED-XRF
Chromium(Cr)		St. Jahr St.
Bromine(Br)		
Chemical testing		
Lead(Pb)	IEC 62321-5-2013	ICP-OES
Cadmium(Cd)	IEC 62321-5-2013	ICP-OES
Mercury(Hg)	IEC 62321-4-2013+A1:2017	ICP-OES
Chromium(Cr VI) for plastic	IEC 62321-7-2:2017	UV-Vis
Chromium(Cr VI) for coating on metals	IEC 62321-7-1:2015	UV-Vis
PBBs/ PBDEs	IEC 62321-6:2015	GC-MS
DEHP/DBP/BBP/ DIBP	IEC 62321-8:2017	GC-MS

# 2.Test Flow:

# 1. Lead(Pb), Cadmium(Cd)



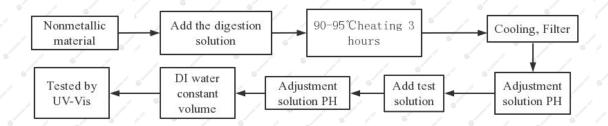
### 2. Mercury (Hg)



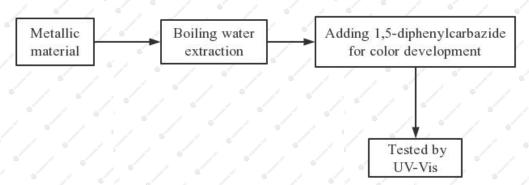
Report No.: HS202410177899-1ER



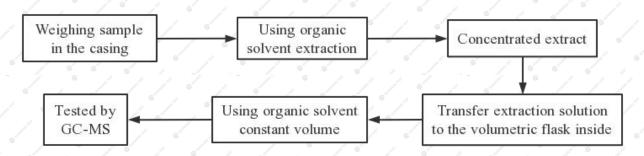
# 3. Hexavalent Chromium(Cr VI) (Alkaline extraction)



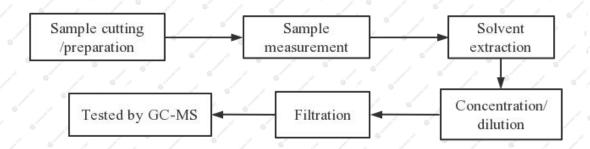
#### 4. Hexavalent Chromium(Cr VI) (Boiling water extraction)



### 5. PBBs/ PBDEs



#### 6. DEHP/ BBP/ DBP/ DIBP



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# 3.Test Results:

Part No.	Sample Description	Test item	XRF Result	Chemical Test (mg/kg)	Conclusion	
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		DEHP		d		
	and the state of t	DBP	AND STATE OF THE SE			
	St. Salar Sa	BBP	September 1	September 15 -		
	and a state of the	DIBP	si Susania -	State of State of		
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	St. State of the S	Cd	BE BE	State of Sta		
	and the second second	Hg s	, BL	Start Start		
		Cr(Cr(VI)	BL	gledd S		
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	Black metal	PBBs	di Sundani	8 <sup>th</sup> 8 <sup>th</sup>		
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		DEHP	-S'	September 1971 September 1971		
		DBP 🐇	griffe a referrit	Start Starter		
		BBP	,	general Same		
	Service Servic	DIBP	S <sup>tr</sup> gent -1 gent	State of - State of	S mar	

#### Remark:

- 1) (a) It is the result on total Br while test item on restricted substances is PBBs/PBDEs. It is the result on total Cr while test item on restricted substances is Cr<sup>6+</sup>.
- (b) Results are obtained by XRF for primary screening, and further chemical testing by ICP-OES (for Cd, Pb, Hg), UV-Vis (for Cr(VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to



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#### IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymers	Metals	Composite Material
Cd	BL≤ (70-3σ)< X <(130+3σ)≤ OL	BL≤ (70-3σ)< X <(130+3σ)≤ OL	LOD < X <(150+3σ)≤ OL
Pb	BL≤ (700-3σ)< X <(1300+3σ)≤OL	BL≤ (700-3σ)< X <(1300+3σ)≤OL	BL≤ (500-3σ)< X <(1500+3σ)≤OL
Hg	BL≤ (700-3σ)< X <(1300+3σ)≤OL	BL≤ (700-3σ)< X <(1300+3σ)≤OL	BL≤ (500-3σ)< X <(1500+3σ)≤OL
Cr	BL ≤ (700-3σ) < X	BL ≤ (700-3σ) < X	BL ≤ (500-3σ) < X
Br	BL ≤ (300-3σ) < X	NA / / /	BL ≤ (250-3σ) < X

- (c) OL=Over Limit, BL=Below Limit, X=inconclusive, LOD=Limit of Detection, NA=not applicable, -- = No Testing
  - (d) The XRF screening test for RoHS elements-The reading may be different to the actual content in the sample be of non-uniformity composition
- 2) (a) mg/kg=ppm=0.0001%, N.D.=not detected (<MDL)
  - (b) Unit and Method Detection Limit(MDL) in wet chemical test

Test Items	Unit	MDL	Limit
<sub>a</sub> pe <sup>tr</sup> Pb <sub>a</sub> pe ⊗	mg/kg	2 pt 6	1000
Cd /	mg/kg	2 /	100
Hg	mg/kg	2	1000
DBP	mg/kg	30	1000
BBP	mg/kg	30	1000
DEHP	mg/kg	30	1000
DIBP	mg/kg	30	1000

The MDL for single compound of PBBs &PBDEs is 20mg/kg, MDL of Cr<sup>6+</sup> for metal sample is 0.10µg/cm<sup>2</sup>. and MDL of Cr<sup>6+</sup> for polymer & composite sample is 8 mg/kg.

- (c) Metal sample:
  - -The sample is positive for Cr<sup>6+</sup> if the Cr<sup>6+</sup> concentration is greater than 0.13 μg/cm<sup>2</sup>. The sample coating is considered to contain Cr<sup>6+</sup>.
  - -The sample is negative for  $Cr^{6+}$  if  $Cr^{6+}$  is ND (concentration less than 0.10  $\mu$ g/cm<sup>2</sup>). The coating is considered a non-  $Cr^{6+}$  based coating
  - -The result between 0.10 μg/cm² and 0.13 μg/cm² is considered to be inconclusive, unavoidable coating variations may influence the determination

Information on storage conditions and production date of the tested sample is unavailable and thus Cr<sup>6+</sup> results represent status of the sample at the time of testing.

- 3) As specified by client to test the specified materials only.
- (4) \*=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 6(c): Copper alloy containing no more than 4% lead by weigh
- (5) #=According to the declaration from the client, Lead (Pb) in the sample are exempted by EU RoHS Directive 2011/65/EU based on ANNEX III 7(c)-I, Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors



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#### Photograph of Sample



FIGURE 1

\*\*\*End of Report\*\*\*