







Report No. A2220271291101 Page 1 of 8

DONGGUAN CITY ZHILI GAS SPRING CO.,LTD **Company Name**

shown on Report

HONGLING INDUSTRIAL ZONE, SHENXIANG VILLAGE, QISHI Address

TOWN, DONGGUAN CITY, GUANGDONG PROVINCE, R.P.OF CHINA

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name Gas Spring Sample Received Date Jun. 29, 2022

Testing Period Jun. 29, 2022 to Jul. 2, 2022

As specified by client, to test Lead (Pb), Cadmium (Cd), Mercury (Hg), **Test Requested**

Hexavalent Chromium (Cr(VI)), Polybrominated Biphenyls (PBBs),

Polybrominated Diphenyl Ethers (PBDEs), Phthalates (DBP, BBP, DEHP,

DIBP) in the submitted sample(s).

Test Method/Test Result(s) Please refer to the following page(s).

Tested

Reviewed by

Technical Manager

Date

Jul. 2, 2022

International Group Co.,Ltd.

No. T166324610

CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China



Report No. A222027129110	01	Page 2 of 8
*********	***********	********
Conclusion		
Tested Sample	According to standard/directive	Result
Submitted Sample	RoHS Directive 2011/65/EU with	PASS
	amendment (EU) 2015/863	rass
**********	***************************************	**********
PASS means that the results shown	on the report comply with the limits set by RoHS Directive 2011	/65/EU with amendment (EU)
2015/863		



Report No. A2220271291101 Page 3 of 8

Test Method

Tested Item(s)	Test Method	Measured Equipment(s)	
Lead (Pb)	IEC 62321-5:2013	ICP-OES	
Cadmium (Cd)	Cadmium (Cd) IEC 62321-5:2013		
Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES	
Hexavalent Chromium (Cr(VI))	IEC 62321-7-1:2015	UV-Vis	
	IEC 62321-7-2:2017 and/or determination of		
	Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES	
Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS	
Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS	
Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS	





Report No. A2220271291101 Page 4 of 8

Test Result(s)

Tested Item(s)	Result		MDL	Limit
	001	002	MIDL	Limit
Lead (Pb)	N.D.	N.D.	2 mg/kg	1000 mg/kg
Cadmium (Cd)	N.D.	N.D.	2 mg/kg	100 mg/kg
Mercury (Hg)	N.D.	N.D.	2 mg/kg	1000 mg/kg
Hexavalent Chromium (Cr(VI))		N.D.	8 mg/kg	1000 mg/kg
	N.D. ▼		0.10 µg/cm ²	1000 mg/kg
			(LOQ)	1000 mg/kg

Tested Item(s)	Result 002	MDL	Limit	
		WIDE		
Polybrominated Biphenyls (PBBs)				
Monobromobiphenyl	N.D.	5 mg/kg		
Dibromobiphenyl	N.D.	5 mg/kg		
Tribromobiphenyl	N.D.	5 mg/kg		
Tetrabromobiphenyl	N.D.	5 mg/kg		
Pentabromobiphenyl	N.D.	5 mg/kg	1000 m = //r =	
Hexabromobiphenyl	N.D.	5 mg/kg	1000 mg/kg	
Heptabromobiphenyl	N.D.	5 mg/kg		
Octabromobiphenyl	N.D.	5 mg/kg	2	
Nonabromobiphenyl	N.D.	5 mg/kg		
Decabromobiphenyl	N.D.	5 mg/kg		

Tested Item(s)	Result	MDL	Limit	
	002	WIDL		
Polybrominated Diphenyl Ethers (PBDEs)				
Monobromodiphenyl ether	N.D.	5 mg/kg		
Dibromodiphenyl ether	N.D.	5 mg/kg		
Tribromodiphenyl ether	N.D.	5 mg/kg		
Tetrabromodiphenyl ether	N.D.	5 mg/kg	1000 //	
Pentabromodiphenyl ether	N.D.	5 mg/kg		
Hexabromodiphenyl ether	N.D.	5 mg/kg	1000 mg/kg	
Heptabromodiphenyl ether	N.D.	5 mg/kg		
Octabromodiphenyl ether	N.D.	5 mg/kg		
Nonabromodiphenyl ether	N.D.	5 mg/kg		
Decabromodiphenyl ether	N.D.	5 mg/kg		



Report No. A2220271291101 Page 5 of 8

Tested Item(s)	Result 002	MDL	Limit	
Phthalates (DBP, BBP, DEHP, DIBP)				
Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg	1000 mg/kg	
Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg	1000 mg/kg	
Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg	1000 mg/kg	
Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg	1000 mg/kg	

Sample/Part Description

Metal with black covering layer

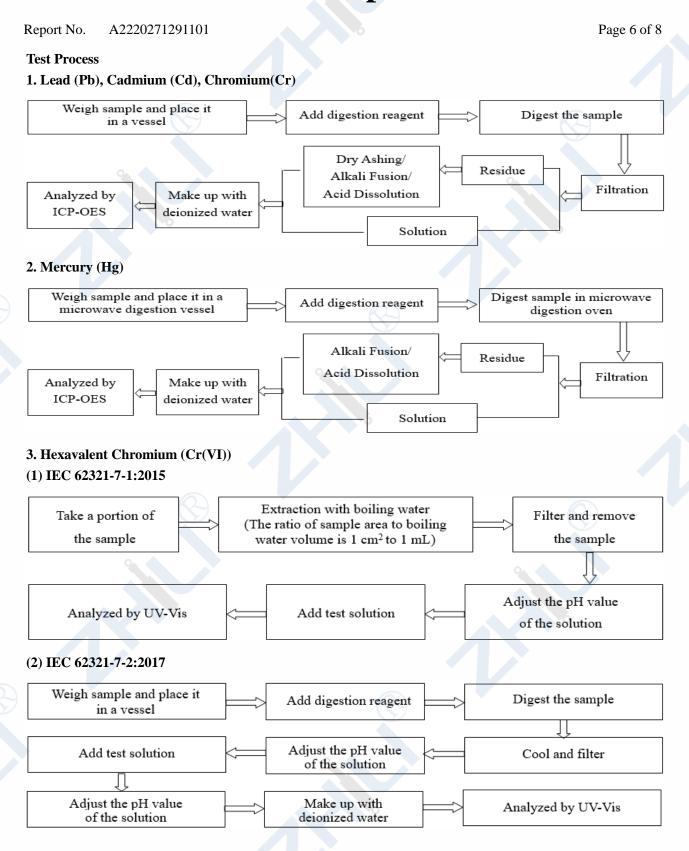
002 Black coating

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

- -MDL = Method Detection Limit
- -N.D. = Not Detected (<MDL or LOQ)
- -mg/kg = ppm = parts per million
- -1000 mg/kg = 0.1%
- -LOQ = Limit of Quantification, The LOQ of Hexavalent chromium is 0.10 μg/cm²
- The sample is negative for Cr(VI) − The Cr(VI) concentration is below 0.10 µg/cm². The coating is considered a non-Cr(VI) based coating.



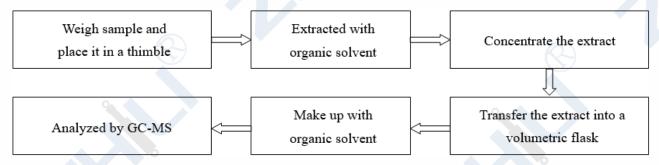




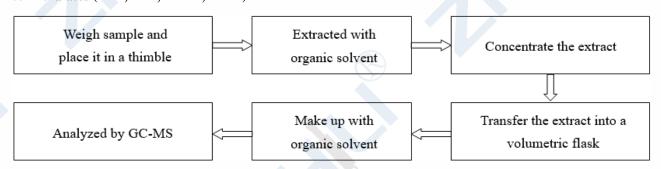


Report No. A2220271291101 Page 7 of 8

4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. Phthalates (DBP, BBP, DEHP, DIBP)





Report No. A2220271291101 Page 8 of 8

Photo(s) of the sample(s)





Statement:

- 1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
- 2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
- 3. The result(s) shown in this report refer(s) only to the sample(s) tested;
- 4. Without written approval of CTI, this report can't be reproduced except in full;
- 5. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

*** End of Report ***