

**Verification Report****No.: EBO2005074-C085****Date: May 22, 2020****Page 1 of 7**

Product: ATTITUDE SENSOR

Applicant: BEIJING CHAOHE ELECTRONIC TECHNOLOGY CO., LTD

Address: B01-1-1001, No. 10, Fuli Canal, Zhongcang Street, Tongzhou District, Beijing

Manufacturer: BEIJING CHAOHE ELECTRONIC TECHNOLOGY CO., LTD

Address: B01-1-1001, No. 10, Fuli Canal, Zhongcang Street, Tongzhou District, Beijing

Verification Period: May 18, 2020 To May 22, 2020

Verification Requested: According to customer's requirements, Split the sample and determine the Pb, Cd, Hg, Cr(VI), PBBs, PBDEs, DEHP, BBP, DBP&DIBP content of the parts.

Verification Method: Please refer to next page(s).

Verification Results: Please refer to next page(s).

Verification Conclusion: Based on the analysis on the submitted samples, the test results do comply with the RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Signed for and on behalf of

Kevin Wang

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**Verification Method:**

1. Sample prepared with reference to IEC 62321-2:2013 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjunction and mechanical sample preparation
2. Sample Screening testing with reference to IEC 62321-3-1:2013 Determination of certain substances in electrotechnical products - Part 3-1: Screening - Lead, mercury, cadmium, total chromium and total bromine using X-ray fluorescence spectrometry.
3. Wet Chemical Test Method
 - a) For Pb and Cd content: With reference to IEC62321-5:2013, Analysis was performed by ICP-OES.
 - b) For Hg content: With reference to IEC62321-4:2013, Analysis was performed by ICP-OES.
 - c) For Cr (VI) content: With reference to IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis
 - d) For PBBs and PBDEs content: With reference to IEC62321-6:2015, Analysis was performed by GC-MS.
 - e) For Phthalate content: With reference to IEC62321-8 111/321/CD, Analysis was performed by GC-MS.

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Sample Description

No.	Description	Test Item
1	Brown chip capacitor	Cd, Pb, Hg, Cr(VI), PBBs & PBDEs, DEHP&DBP&BBP&DIBP
2	Black IC	Cd, Pb, Hg, Cr(VI), PBBs & PBDEs, DEHP&DBP&BBP&DIBP
3	Silvery metal	Cd, Pb, Hg, Cr(VI)
4	Black small chip	Cd, Pb, Hg, Cr(VI), PBBs & PBDEs, DEHP&DBP&BBP&DIBP
5	Black big chip	Cd, Pb, Hg, Cr(VI), PBBs & PBDEs, DEHP&DBP&BBP&DIBP
6	Black polymer on the circuit board	Cd, Pb, Hg, Cr(VI), PBBs & PBDEs, DEHP&DBP&BBP&DIBP

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Test result-1:

ITEM \ No.	Result (mg/kg)			MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	1	2	3		
Cd	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	Negative	2	<1000
Hg	N.D.	N.D.	N.D.	2	<1000
Pb	N.D.	N.D.	N.D.	2	<1000
Polybrominated Biphenyls (PBBs)	----	----	----	----	<1000
Monobromobiphenyl	N.D.	N.D.	----	5	----
Dibromobiphenyl	N.D.	N.D.	----	5	----
Tribromobiphenyl	N.D.	N.D.	----	5	----
Tetrabromobiphenyl	N.D.	N.D.	----	5	----
Pentabromobiphenyl	N.D.	N.D.	----	5	----
Hexabromobiphenyl	N.D.	N.D.	----	5	----
Heptabromobiphenyl	N.D.	N.D.	----	5	----
Octabromobiphenyl	N.D.	N.D.	----	5	----
Nonabromodiphenyl	N.D.	N.D.	----	5	----
Decabromodiphenyl	N.D.	N.D.	----	5	----
Polybrominated Diphenylethers (PBDEs)	----	----	----	----	<1000
Monobromodiphenyl ether	N.D.	N.D.	----	5	----
Dibromodiphenyl ether	N.D.	N.D.	----	5	----
Tribromodiphenyl ether	N.D.	N.D.	----	5	----
Tetrabromodiphenyl ether	N.D.	N.D.	----	5	----
Pentabromodiphenyl ether	N.D.	N.D.	----	5	----
Hexabromodiphenyl ether	N.D.	N.D.	----	5	----
Heptabromodiphenyl ether	N.D.	N.D.	----	5	----
Octabromodiphenyl ether	N.D.	N.D.	----	5	----
Nonabromodiphenyl ether	N.D.	N.D.	----	5	----
Decabromodiphenyl ether	N.D.	N.D.	----	5	----
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	----	100	1000
Butyl benzyl phthalate (BBP)	N.D.	N.D.	----	100	1000
Dibutyl phthalate (DBP)	N.D.	N.D.	----	100	1000
Diisobutyl phthalate (DIBP)	N.D.	N.D.	----	100	1000
Result(P/F)	P	P	P	----	----

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Test result-2:

ITEM \ No.	Result (mg/kg)			MDL (mg/kg)	REQUIRED LIMIT (mg/kg)
	4	5	6		
Cd	N.D.	N.D.	N.D.	2	<100
Cr(VI)	N.D.	N.D.	N.D.	2	<1000
Hg	N.D.	N.D.	N.D.	2	<1000
Pb	N.D.	N.D.	N.D.	2	<1000
Polybrominated Biphenyls (PBBs)	-----	-----	-----	-----	<1000
Monobromobiphenyl	N.D.	N.D.	N.D.	5	-----
Dibromobiphenyl	N.D.	N.D.	N.D.	5	-----
Tribromobiphenyl	N.D.	N.D.	N.D.	5	-----
Tetrabromobiphenyl	N.D.	N.D.	N.D.	5	-----
Pentabromobiphenyl	N.D.	N.D.	N.D.	5	-----
Hexabromobiphenyl	N.D.	N.D.	N.D.	5	-----
Heptabromobiphenyl	N.D.	N.D.	N.D.	5	-----
Octabromobiphenyl	N.D.	N.D.	N.D.	5	-----
Nonabromodiphenyl	N.D.	N.D.	N.D.	5	-----
Decabromodiphenyl	N.D.	N.D.	N.D.	5	-----
Polybrominated Diphenylethers (PBDEs)	-----	-----	-----	-----	<1000
Monobromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Dibromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Tribromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Octabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Nonabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Decabromodiphenyl ether	N.D.	N.D.	N.D.	5	-----
Bis-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	100	1000
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	100	1000
Dibutyl phthalate (DBP)	N.D.	N.D.	N.D.	100	1000
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	100	1000
Result(P/F)	P	P	P	-----	

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**Note:**

1. mg/kg=ppm
2. N.D.=Not Detected(<MDL)
3. MDL=Method Detection Limit
4. "-"= Not regulated
5. The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
6. a. Negative means the absence of CrVI on the tested areas.
b. Positive means the presence of CrVI on the tested areas.

For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

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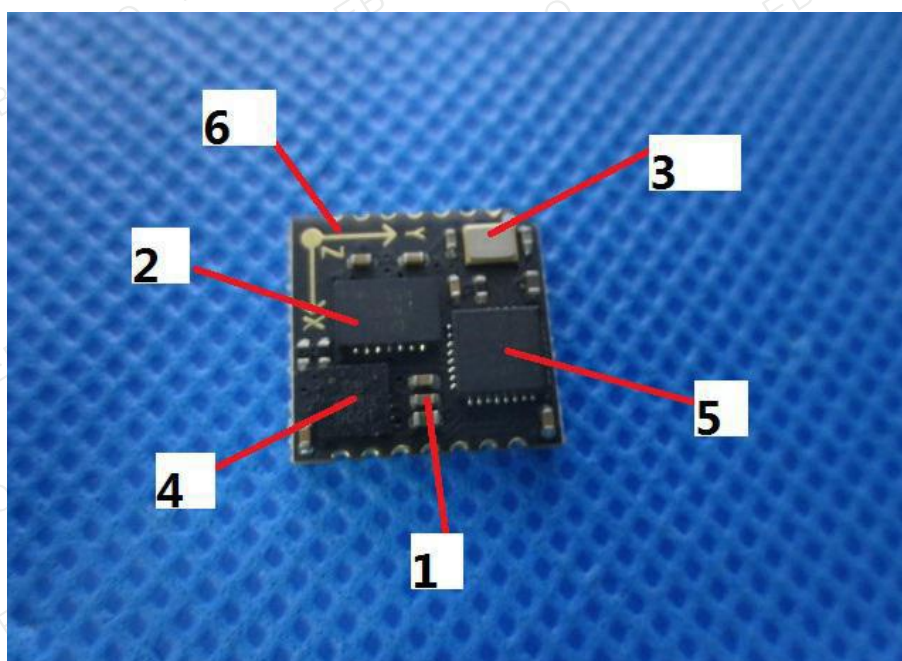
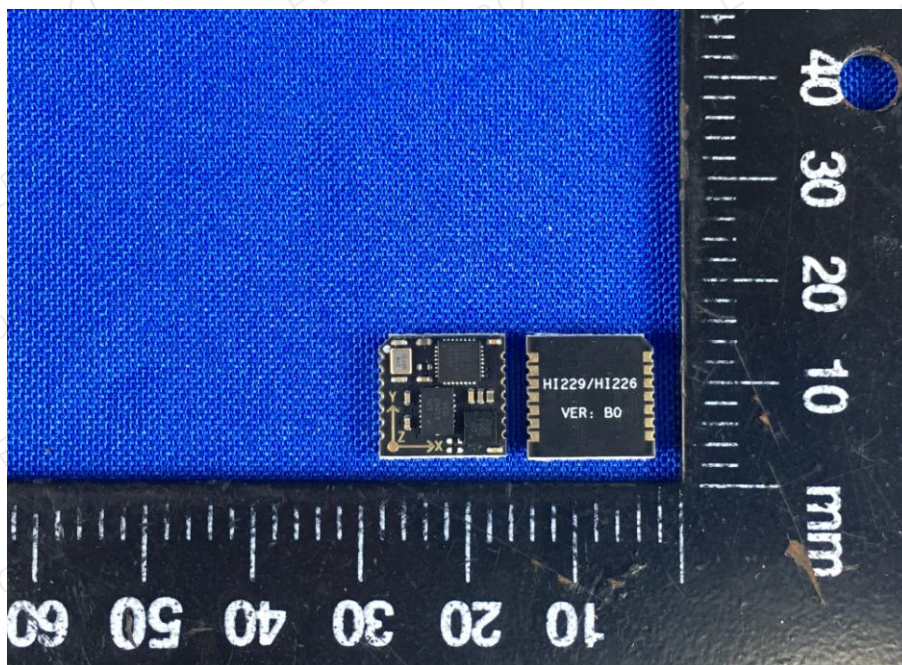
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Sample photo:

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*** End of Report ***

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