



Test Report

Report No: SHBST1804986270001YRR-4

Date: Apr.24, 2018

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Applicant : NINGBO SEABRIDGE E-SCOOTER MANUFACTURER LTD

Address : Hongxing Village, Cichen Town, Jiangbei Area

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

Sample Name : ELECTRIC KIDS BIKE

Trade Name : **Yotsuba  moto**

Sample Model : Meow 16, Meow 12, Meow 20

Sample Received Date : Apr.18, 2018

Testing Period : Apr.18, 2018 To Apr.24, 2018

Test Requested : Selected test (s) in the selected parts as requested by client with the RoHS 2 Directive (EU) 2017/2102.

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

Test Result : Please refer to next page(s).

Signed for and on behalf of

Tony Qian/ Technical Director

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Dongguan BST Testing Co., Ltd.

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Test Content:

Test Item(s)	Test Method	Reference	Unit	Limit	MDL
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	mg/kg	100	2
Lead(Pb)	IEC 62321-5:2013	ICP-OES	mg/kg	1000	2
Mercury(Hg)	IEC 62321-4:2013	ICP-OES	mg/kg	1000	2
Hexavalent Chromium(CrVI) (Metal)	IEC 62321-7-1:2015	UV-Vis	µg/cm ²	0.13	0.1
Hexavalent Chromium(CrVI) (Nonmetal)	IEC 62321-7-2:2017	UV-Vis	mg/kg	1000	8
PBBs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
PBDEs (Next form)	IEC 62321-6:2015	GC-MS	mg/kg	1000	5
Dibutyl Phthalate(DBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Butyl benzyl phthalate (BBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Di-(2-ethylhexyl) Phthalate(DEHP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30
Diisobutyl phthalate (DIBP)	IEC 62321-8:2017	GC-MS	mg/kg	1000	30

PBBs		PBDEs	
Monobromobiphenyl	Hexabromobiphenyl	Monobromodiphenyl ether	Hexabromodiphenyl ether
Dibromobiphenyl	Heptabromobiphenyl	Dibromodiphenyl ether	Heptabromodiphenyl ether
Tribromobiphenyl	Octabromobiphenyl	Tribromodiphenyl ether	Octabromodiphenyl ether
Tetrabromobiphenyl	Nonabromobiphenyl	Tetrabromodiphenyl ether	Nonabromodiphenyl ether
Pentabromobiphenyl	Decabromobiphenyl	Pentabromodiphenyl ether	Decabromodiphenyl ether

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Sample Description:

No.	Description	Name
1	Metal	Handle The Metal
2	Plastic	Handle Rubber
3	Metal	Brake Handle
4	Plastic	Transmission Plastics
5	Plastic	Main Body Metal
6	Plastic	Seat Cushion
7	Plastic	Rubber Wheel
8	Metal	Metal Wheels
9	Plastic	Before Brake
10	Metal	Rear Brake
11	Plastic	Main Body Plastic
12	Plastic	Main Body Lid
13	Plastic	Battery
14	Plastic	Red Line Skin
15	Plastic	Blue Line Skin
16	Plastic	Black Line Skin
17	Plastic	Yellow Line Skin

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No.	Description	Name
18	Plastic	White Line Skin
19	Plastic	Brown Line Skin
20	Plastic	Green Line Skin
21	Plastic	Black Line Skin Outside
22	Metal	Wire Core
23	PCB	PCB
24	Metal	PCB Metal
25	Plastic	Capacitance
26	Diode	Diode
27	Triode	Triode
28	Resistance	Resistance
29	IC	IC
30	Metal	PCB Solder
31	Plastic	Terminal
32	Plastic	Yellow Green Line Skin
33	Plastic	Green White Skin

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Test Results:

Test Item(s)	No.1	No.2	No.3	No.4	No.5
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	--	N.D.	--	N.D.	N.D.
PBDEs	--	N.D.	--	N.D.	N.D.
Dibutyl Phthalate (DBP)	--	N.D.	--	N.D.	N.D.
Butyl benzyl phthalate (BBP)	--	N.D.	--	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	--	N.D.	--	N.D.	N.D.
Diisobutyl phthalate (DIBP)	--	N.D.	--	N.D.	N.D.
Test Item(s)	No.6	No.7	No.8	No.9	No.10
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	--	N.D.	--
PBDEs	N.D.	N.D.	--	N.D.	--
Dibutyl Phthalate (DBP)	N.D.	N.D.	--	N.D.	--
Butyl benzyl phthalate (BBP)	N.D.	N.D.	--	N.D.	--
Di-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	--	N.D.	--
Diisobutyl phthalate (DIBP)	N.D.	N.D.	--	N.D.	--

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Test Item(s)	No.11	No.12	No.13	No.14	No.15
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	N.D.	N.D.	N.D.
PBDEs	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Test Item(s)	No.16	No.17	No.18	No.19	No.20
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	N.D.	N.D.	N.D.
PBDEs	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	N.D.

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Test Item(s)	No.21	No.22	No.23	No.24	No.25
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	--	N.D.	--	N.D.
PBDEs	N.D.	--	N.D.	--	N.D.
Dibutyl Phthalate (DBP)	N.D.	--	N.D.	--	N.D.
Butyl benzyl phthalate (BBP)	N.D.	--	N.D.	--	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	--	N.D.	--	N.D.
Diisobutyl phthalate (DIBP)	N.D.	--	N.D.	--	N.D.
Test Item(s)	No.26	No.27	No.28	No.29	No.30
Cadmium(Cd)	N.D.	N.D.	N.D.	N.D.	N.D.
Lead(Pb)	N.D.	N.D.	N.D.	N.D.	345
Mercury(Hg)	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	N.D.	N.D.	--
PBDEs	N.D.	N.D.	N.D.	N.D.	--
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.	N.D.	--
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.	N.D.	--
Di-(2-ethylhexyl) Phthalate (DEHP)	N.D.	N.D.	N.D.	N.D.	--
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.	N.D.	--

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Test Item(s)	No.31	No.32	No.33
Cadmium (Cd)	N.D.	N.D.	N.D.
Lead (Pb)	N.D.	N.D.	N.D.
Mercury (Hg)	N.D.	N.D.	N.D.
Hexavalent Chromium (CrVI)	N.D.	N.D.	N.D.
PBBs	N.D.	N.D.	N.D.
PBDEs	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	N.D.	N.D.	N.D.
Butyl benzyl phthalate (BBP)	N.D.	N.D.	N.D.
Di-(2-ethylhexyl) Phthalate(DEHP)	N.D.	N.D.	N.D.
Diisobutyl phthalate (DIBP)	N.D.	N.D.	N.D.

- Note:**
1. mg/kg= ppm
 2. N.D.= Not Detected(<MDL)
 3. MDL = Method Detection Limit
 4. -- = No Testing
 5. when Cr(VI) in a sample is detected below the 0.10 $\mu\text{g}/\text{cm}^2$ LOQ (limit of quantification), the sample is considered to be negative for Cr(VI). Since Cr(VI) may not be uniformly distributed in the coating even within the same sample batch, a "grey zone" between 0.10 $\mu\text{g}/\text{cm}^2$ and 0.13 $\mu\text{g}/\text{cm}^2$ has been established as "inconclusive" to reduce inconsistent results due to unavoidable coating variations. In this case, additional testing may be necessary to confirm the presence of Cr(VI). When Cr(VI) is detected above 0.13 $\mu\text{g}/\text{cm}^2$, the sample is considered to be positive for the presence of Cr(VI) in the coating layer. unavoidable coating variations may influence the determination Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

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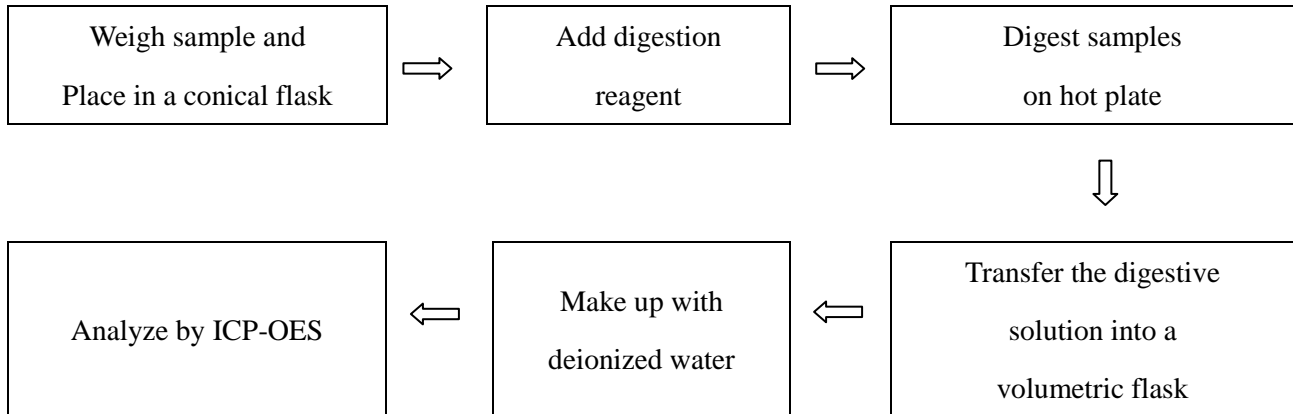
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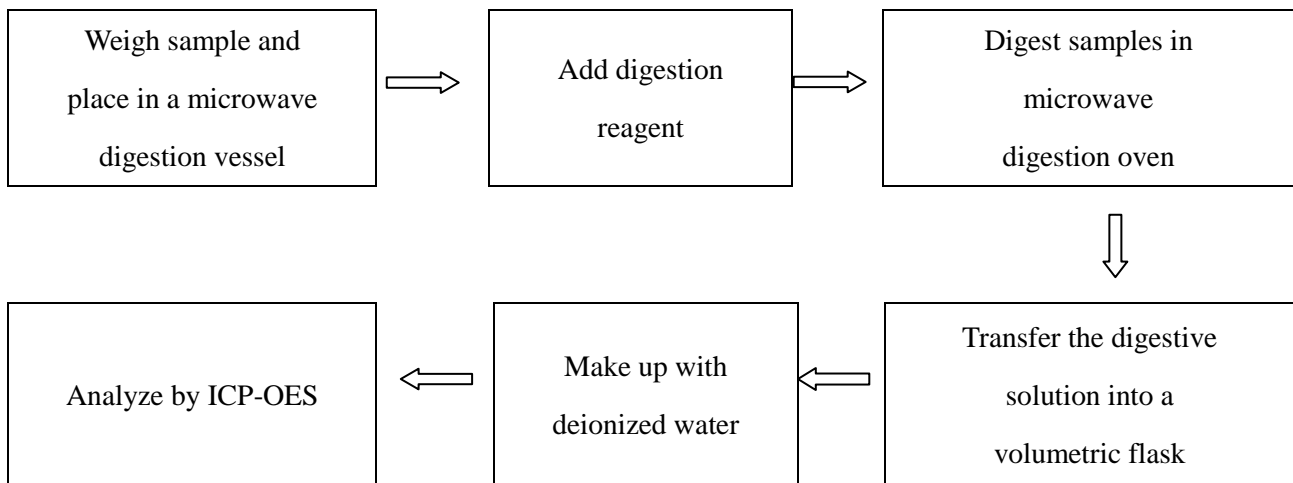
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Test Process:

1. Test for Cd/Pb Content



2. Test for Hg Content



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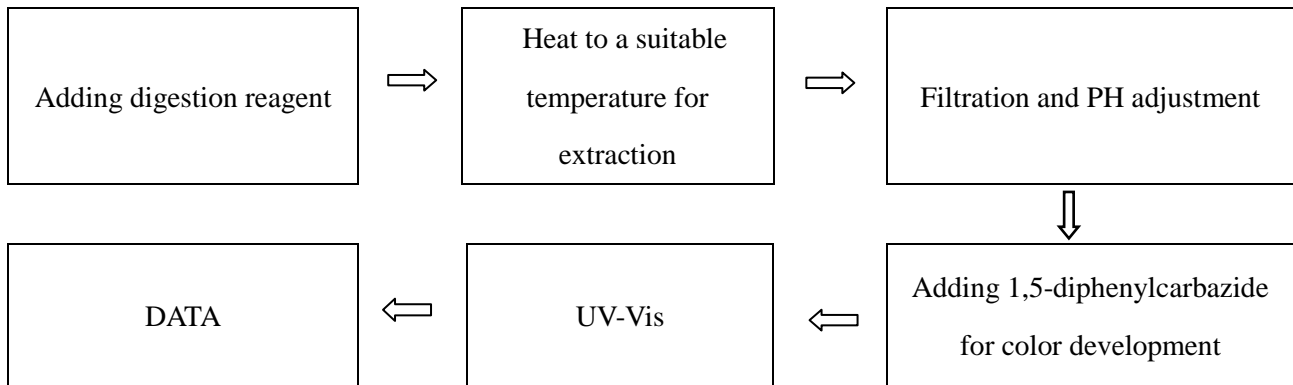
Report No: SHBST1804986270001YRR-4

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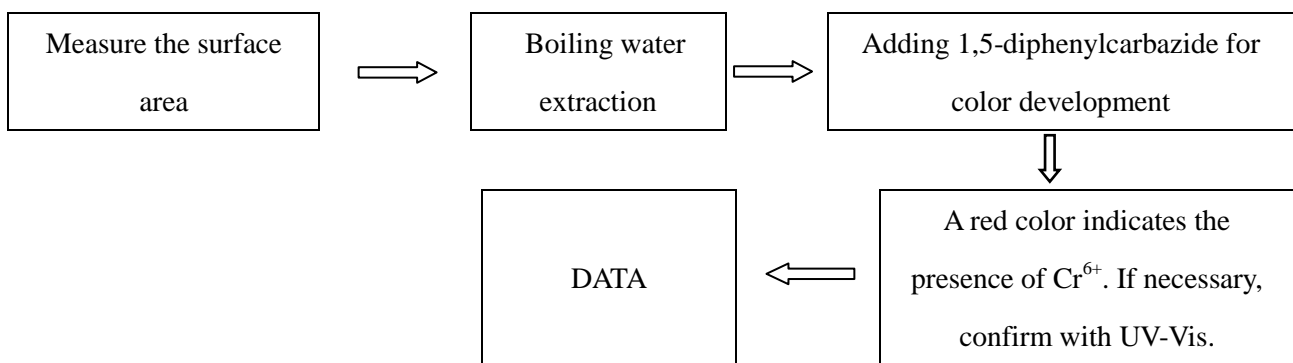
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3. Test for Chromium (VI) Content

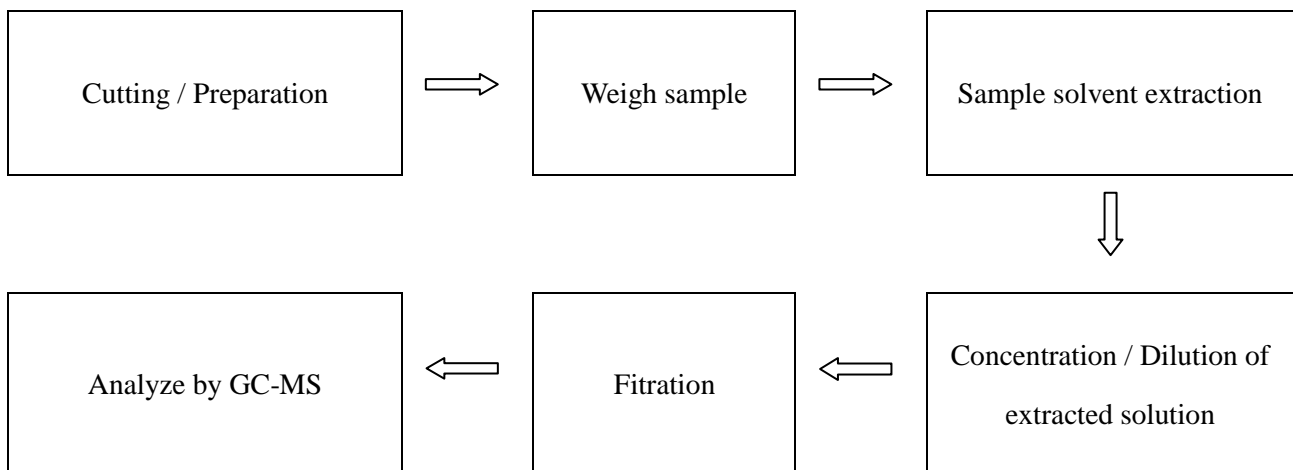
Nonmetal material



Metal material



4. Test for DBP, BBP, DEHP, DIBP, PBB, PBDE Content



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Sample Photo:



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