TEST REPORT

Applicant:	Nemo Power Tools Limited
Address:	21st Floor, CMA Building 64 Connaught Road Central Hong Kong
Manufacturer:	Nemo Power Tools(Huizhou) Co., Ltd
Address:	2/F, 4th Industrial Area, Luokeng Village, Xiaotie Zone, Xiaojinkou Town, Huicheng District, Huizhou City, Guangdong Province, China
Product Name:	GRABO High Flow
Trade Mark:	GRABO
Model Number:	GHF-V1
Series Model No.:	N/A
Date of Receipt:	May. 16, 2024
Date of Test:	May. 16, 2024 - May. 22, 2024
Date of Report:	Jun. 28, 2024
Test Requested:	With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.
Test Standard:	Please refer to next page(s).
Test Results:	Please refer to next page(s).

Conclusion:

As requested by applicant, the submitted sample was tested which is listed as specimen description in the following page. the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP) , Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Prepared (Engineer): Ava liu

Approved (Manager): Xiaoshan Ni

Shenzhen DL Testing Technology Co.,Ltd. Approved

This test report is based on a single evaluation of one sample of above mentioned products. It is not permitted to be duplicated in extracts without written approval of Shenzhen DL Testing Technology Co., Ltd.

Version

Version No.	Date	Description
00	Jun. 28, 2024	Original

Remark:

(1) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There are the results on total Cr while test items on restricted substances Cr(VI)

(2) Results are obtained by EDXRF 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 IEC 62321-3-1:2013 (unit:mg/kg)

Element	Polymer Materials	Metal Materials	Composite Materials
Cd	BL≤70-3σ＜X＜130+3σ≤OL	BL≤70-3σ＜X＜130+3σ≤OL	BL≤50-3σ＜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
Br	BL≤300-3σ＜X	----	BL≤250-3σ＜X
Cr	BL≤700-3σ＜X	BL≤700-3σ＜X	BL≤500-3σ＜X

(a) BL=Below Limit,OL=Over Limit, X=Inconclusive, LOD=Limit of Detection,---=Not regulated.

(b)The XRF screening test for RoHS elements- the reading may be different to actual content in the sample be of non-uniformity composition

(3) Chemical Method

① With reference to IEC 62321-5:2013,determination of Cadmium,Lead by ICP-OES.

② With reference to IEC 62321-4:2013+AMD1:2017 CSV, determination of Mercury by ICP-OES.

③ With reference to IEC 62321-7-1:2015▼& IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric method using UV-Vis.

④ With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.

⑤ With reference to IEC 62321-8:2017, determination of Phthalates by GC-MS.

(4) (a) mg/kg=0.0001%,MDL=MDL=Method Detection Limit,(c)ND=Not Detected(<MDL),
---=Not Regulated

(b) Unit and MDL in wet chemical test

Test Item	Pb	Cd	Hg	DBP	BBP	DEHP	DIBP
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
MDL	10	10	10	100	100	100	100

The MDL for single compound of PBBs and PBDEs is 100 mg/kg

MDL of Cr(VI) for polymer and composite sample is 10 mg/kg

MDL of Cr(VI) for metal sample is 0.10ug/cm^2

(c) ▼=Metal sample

a. The sample is negative for Cr^{6+} if Cr^{6+} is N.D. (below the limit 0.10ug/cm$^{2)}$. The coating is considered a non Cr^{6+} based coating.

b. The sample positive for Cr^{6+} if the Cr^{6+} concentration is greater than 0.13ug/cm^2. The sample coating is considered to contain Cr^{6+}.

c.The result between 0.10ug/cm^2 and 0.13ug/cm^2 is considered to be inconclusive unavoidable coating variations may influence the determination.

Tested Sample/Part Description:

Specimen No.	Component Description(s)	Style
A01	Black silicone	-
A02	Silver metal	-
A03	Black silicone	-
A04	Black plastic	-
A05	Black screw	-
A06	Black wire mesh	-
A07	Black plastic	-
A08	Black plastic	-
A09	Silver metal	-
A10	Red metal conductor	-
A11	Black IC	-
A12	White plastic	-
A13	Silver metal	-
A14	Black triode	-
A15	Black IC	-
A16	Red PCB	-
A17	Silver solder	-
A18	Silver metal	-
A19	Black plastic	-
A20	Black rubber wire leather	-
A21	Red rubber wire leather	-
A22	Silver screw	-
A23	Yellow metal conductor	-
A24	Silver metal	-
A25	Black plastic	-
A26	White terminal	-
A27	Yellow rubber wire leather	-
A28	Blue rubber wire leather	-
A29	White rubber wire leather	-
A30	Brown rubber leather	-
A31	Black rubber wire leather	-
A32	Green rubber wire leather	-

Specimen No.	Component Description(s)	Style
A33	Red rubber wire leather	-
A34	Yellow rubber wire leather	-
A35	Transparent rubber hose	-
A36	Black silicone	-
A37	Black plastic	-
A38	Black screw	-
A39	White cotton flannel	-
A40	Black plastic	-
A41	Black plastic	-
A42	Black sponge	-
A43	Black sponge	-
B01	Transparent plastic	-
B02	White sponge	-
B03	White plastic	-
C01	Black silicone	-
C02	Black metal	-
C03	Black metal	-
C04	Silver metal	-
C05	Silver metal	-
C06	Black plastic	-
C07	Silver metal	-
C08	Black woven tape	-
C09	Black plastic	-
C10	Green silicone	-
C11	Black screw	-
C12	Black plastic	-
C13	Red PCB	-
C14	Silver solder	-
C15	Black rubber skin	-
C16	Brown rubber leather	-
C17	Blue rubber wire leather	-
C18	Black plastic	-
C19	Blue plastic	-

Specimen No.	Component Description(s)	Style
C20	Black plastic	-
C21	Silver spring	-
C22	Red rubber ring	-
C23	Silver metal	-
C24	Black rubber	-
C25	Black rubber skin	-
C26	Black rubber	-

Test Results:

The results of XRF screening and chemical test (Unit: mg/kg)

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A01	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A02	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A03	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A04	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A05	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	OL	N.D.		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A06	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A07	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A08	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A09	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A10	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A11	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A12	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	OL	N.D.		
	PBDEs	OL	N.D.		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A13	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A14	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A15	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A16	Pb	OL	N.D.	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	OL	N.D.		
	PBDEs	OL	N.D.		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A17	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A18	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A19	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A20	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A21	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A22	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A23	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A24	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A25	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A26	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A27	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A28	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A29	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A30	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A31	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A32	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A33	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A34	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A35	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A36	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A37	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A38	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
A39	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A40	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
A41	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A42	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
A43	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
B01	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
B02	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
B03	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C01	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C02	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C03	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	OL	N.D.		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C04	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C05	Pb	OL	N.D.	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	OL	N.D.		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C06	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C07	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C08	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C09	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C10	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C11	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	OL	N.D.		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C12	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C13	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	OL	N.D.		
	PBDEs	OL	N.D.		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C14	Pb	OL	N.D.	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C15	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C16	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C17	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C18	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	OL	N.D.		
	PBDEs	OL	N.D.		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C19	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	OL	N.D.		
	PBDEs	OL	N.D.		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C20	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C21	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	OL	N.D.		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C22	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	$Cr(Cr^{6+})$	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

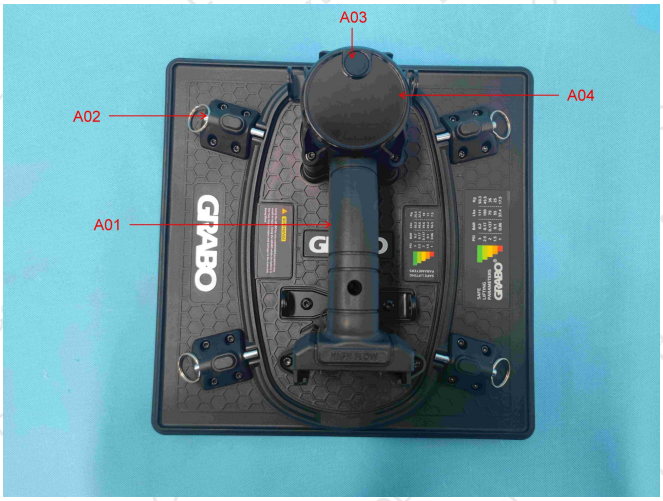
Part No.	Element	X-ray Screening	Results of chemical test	Conclusion on RoHS EU	Sample Resubmitted
C23	Pb	OL	※2.6X10⁴	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr^{6+})	BL	---		
	PBBs	---	---		
	PBDEs	---	---		
	DIBP	---	---		
	DBP	---	---		
	BBP	---	---		
	DEHP	---	---		
C24	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr^{6+})	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C25	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr^{6+})	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		
C26	Pb	BL	---	Pass	/
	Cd	BL	---		
	Hg	BL	---		
	Cr(Cr^{6+})	BL	---		
	PBBs	BL	---		
	PBDEs	BL	---		
	DIBP	---	N.D.		
	DBP	---	N.D.		
	BBP	---	N.D.		
	DEHP	---	N.D.		

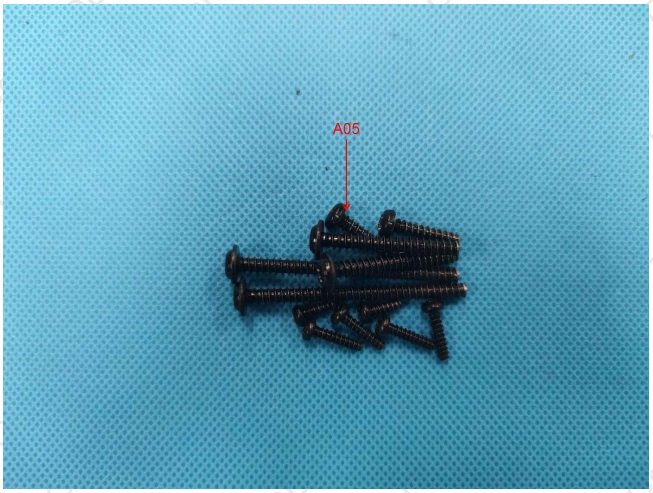
Remark:

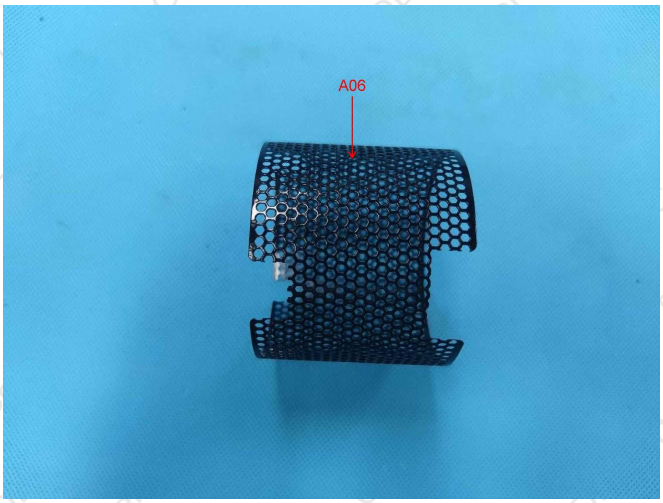
(1) ※= Copper alloy containing up to 4% lead by weight.

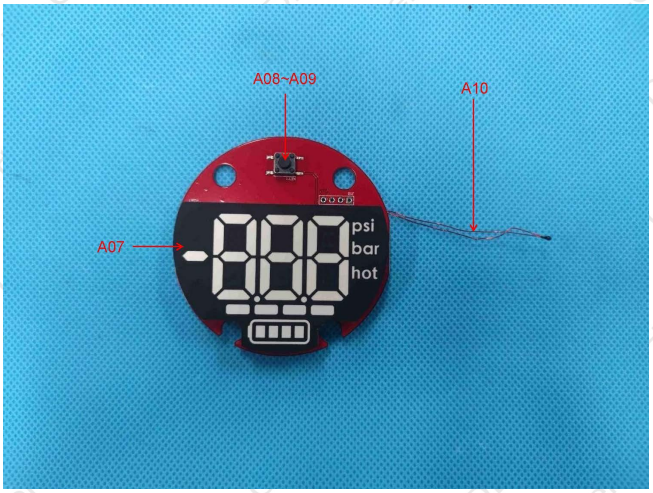
The item is exempted form the requirements of the item 6(c) in ANNEX III, (Directive 2011/65/EU).

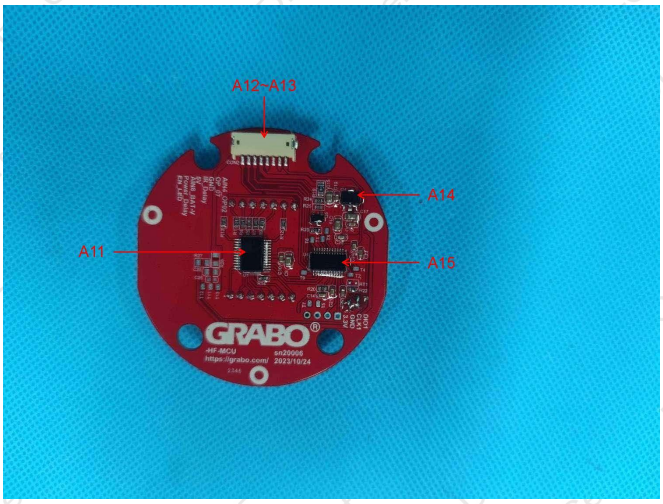
Sample photo:










A12~A13
A14
A11
A15
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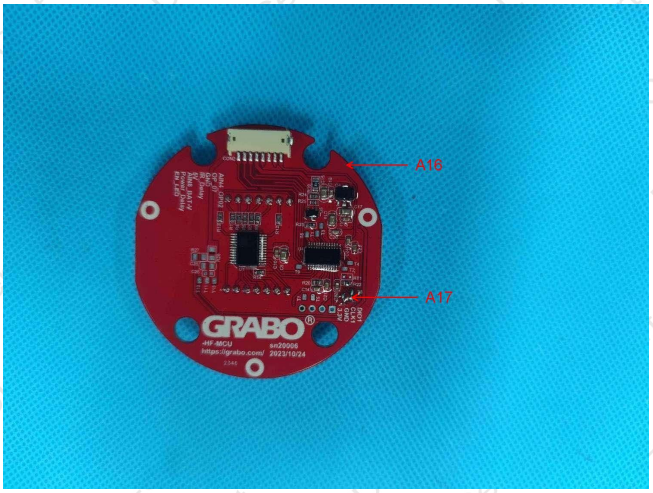
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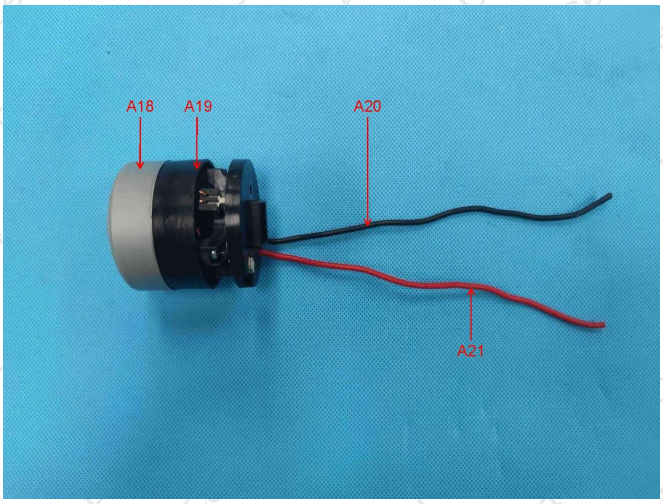
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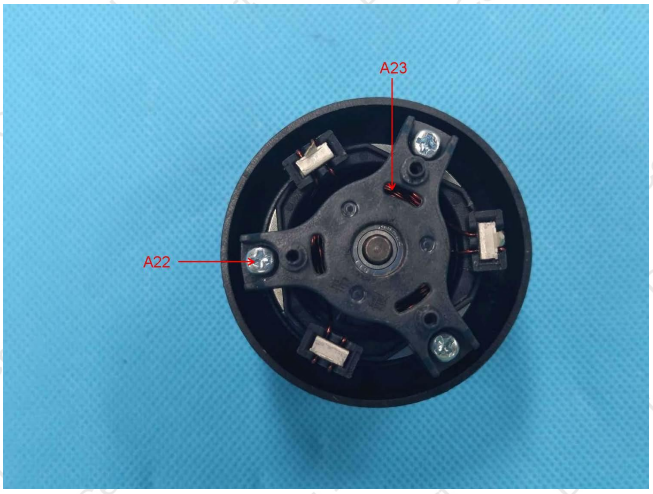
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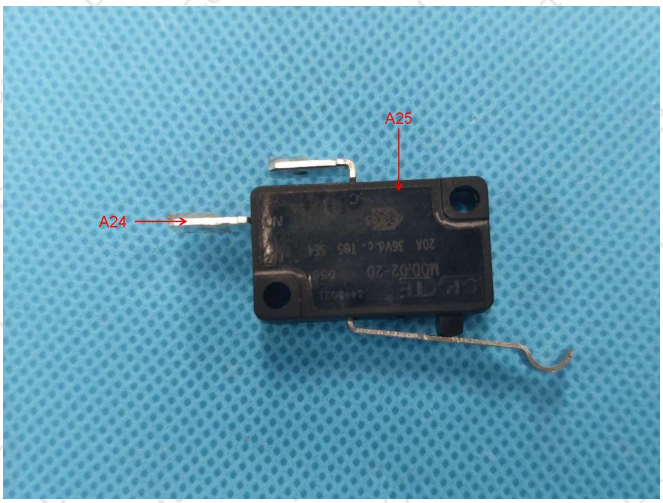
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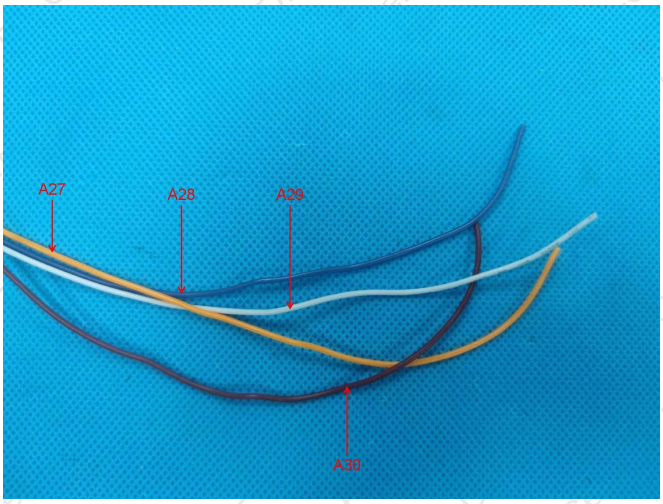
A26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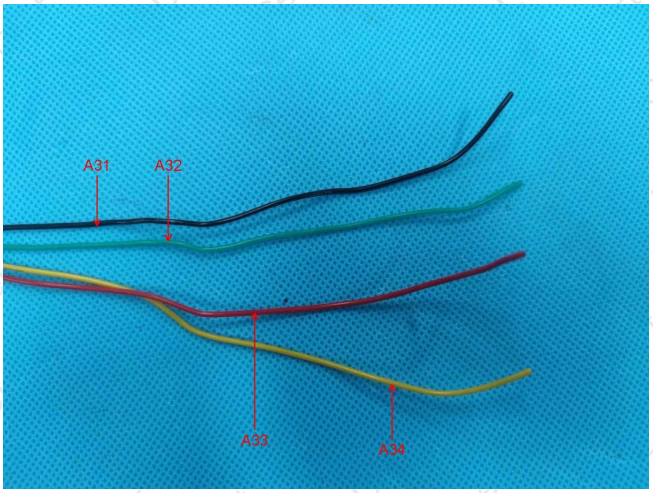
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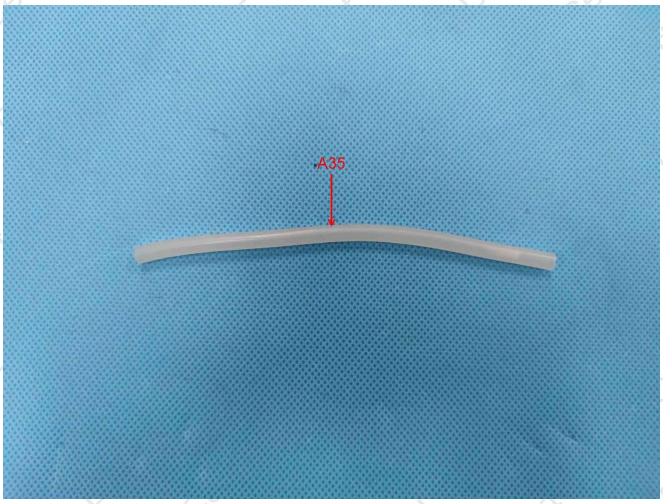
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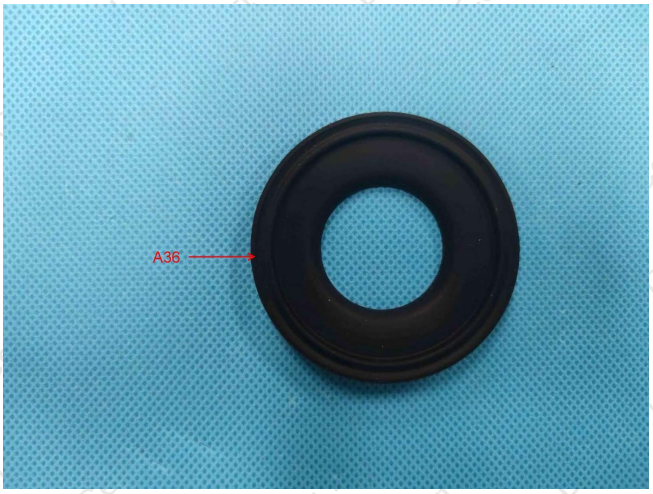
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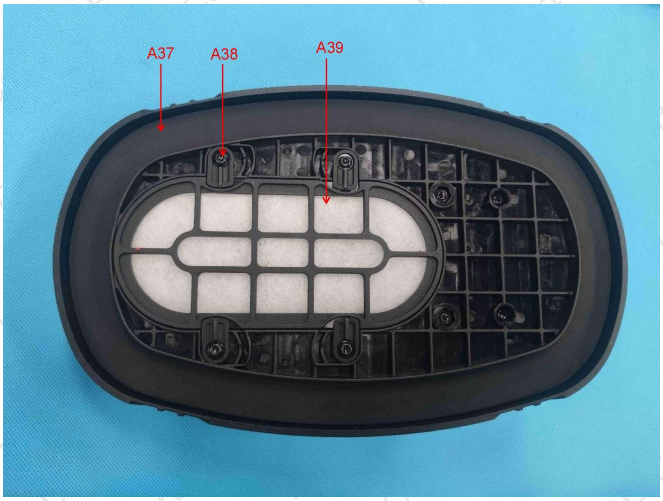
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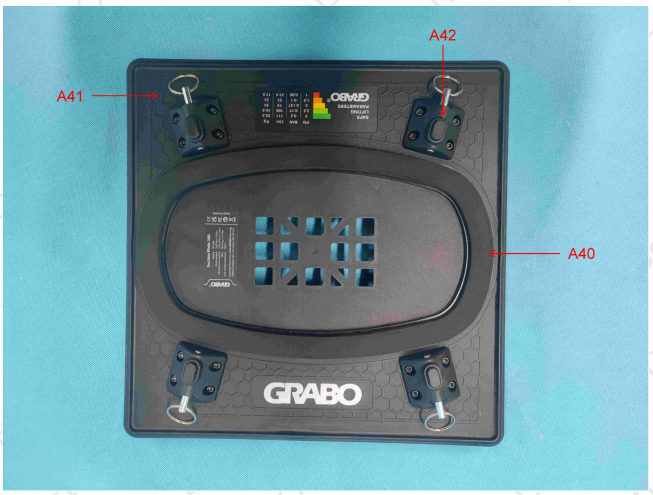
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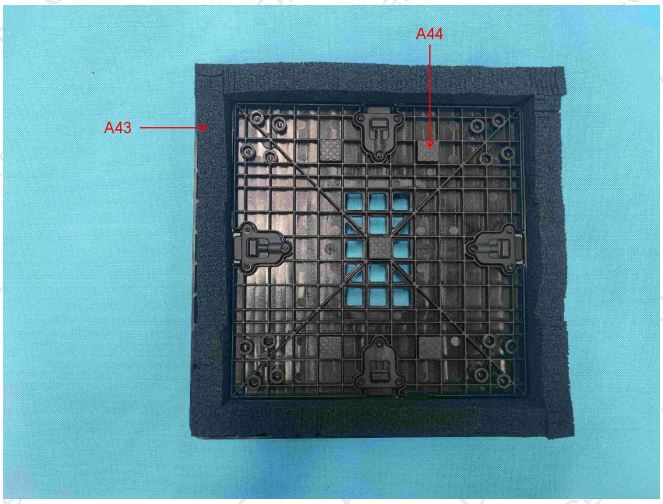
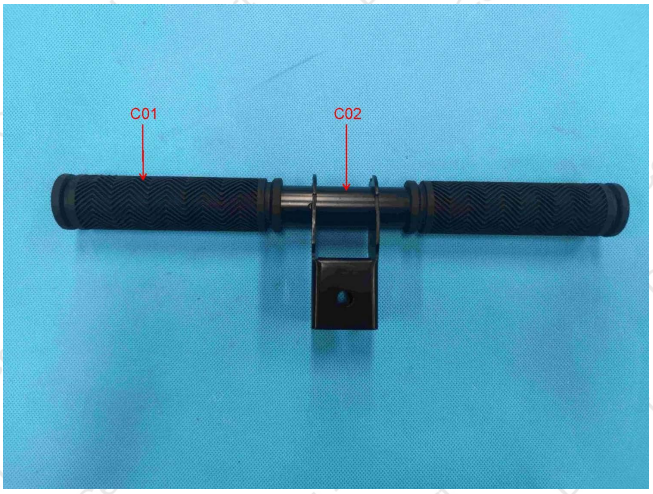
A40
GRABO


A44
A43


B02
B01
GRABO


B03
GRABO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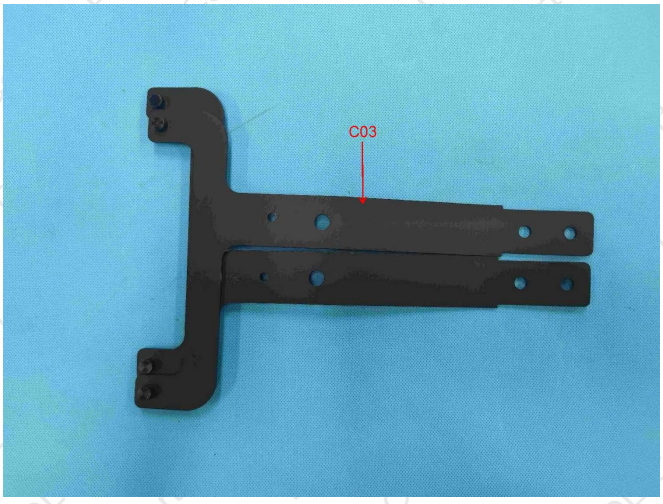
C02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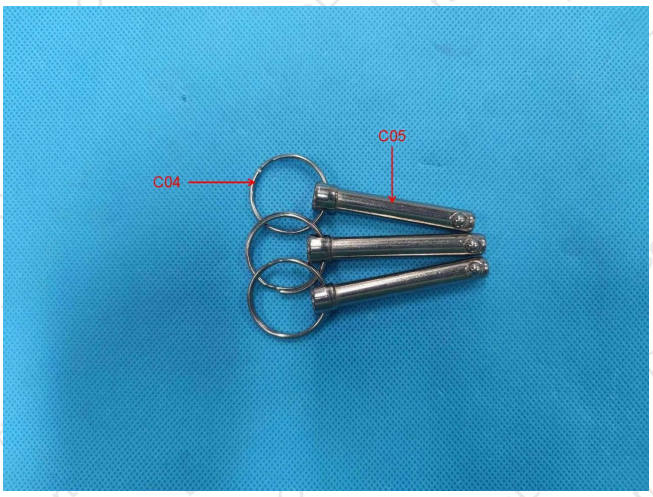
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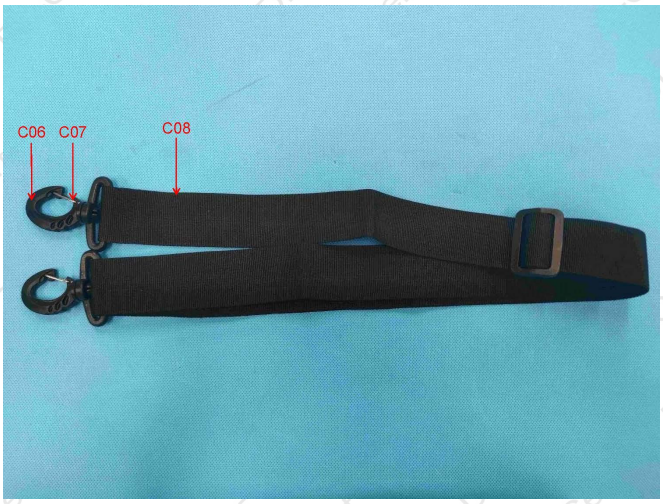
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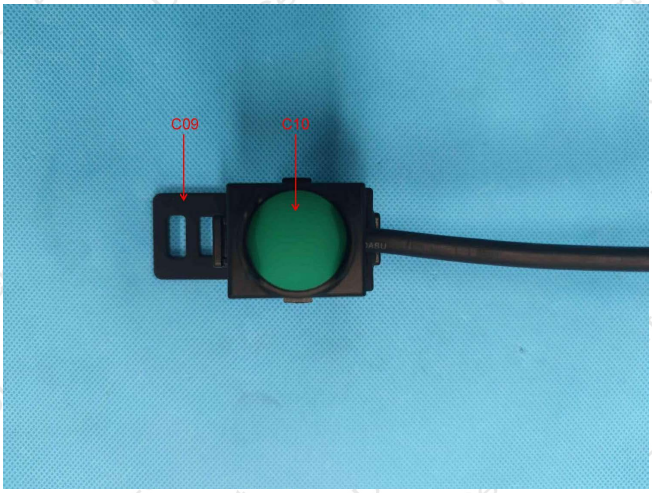
C07
C08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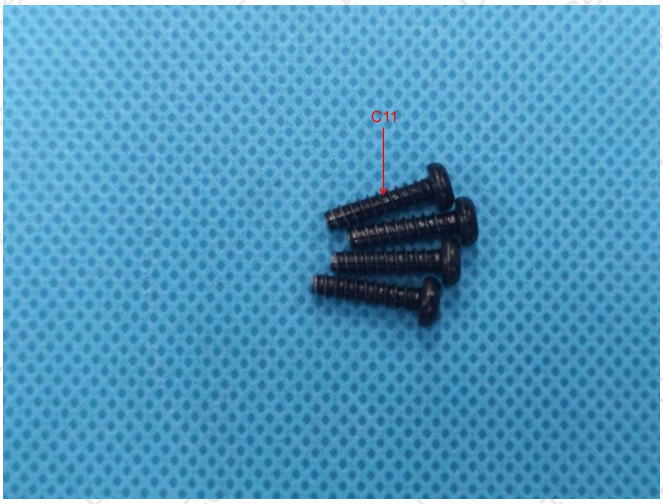
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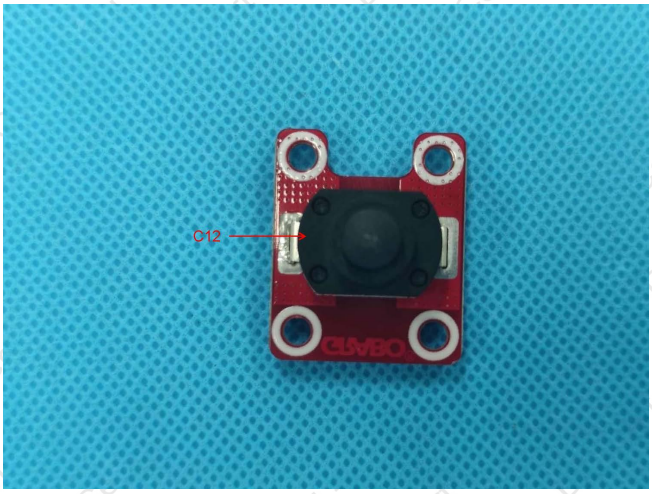
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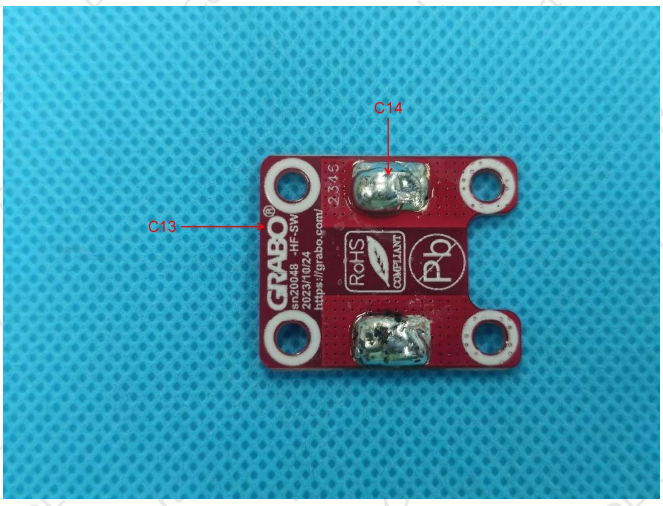
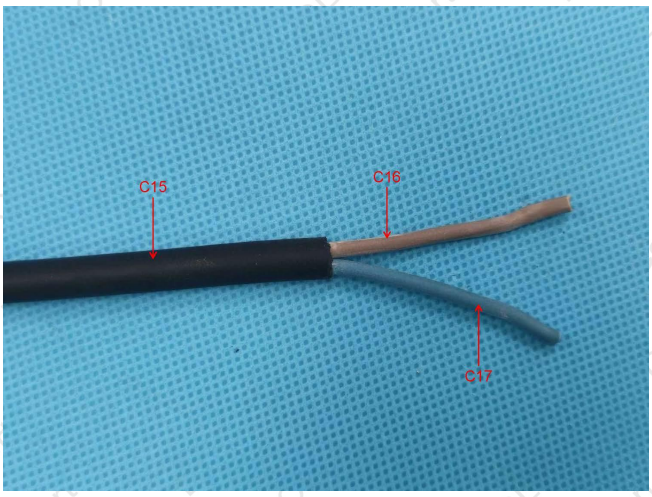

C13
C14
GRABO®
RoHS
COMPLIANT
Pb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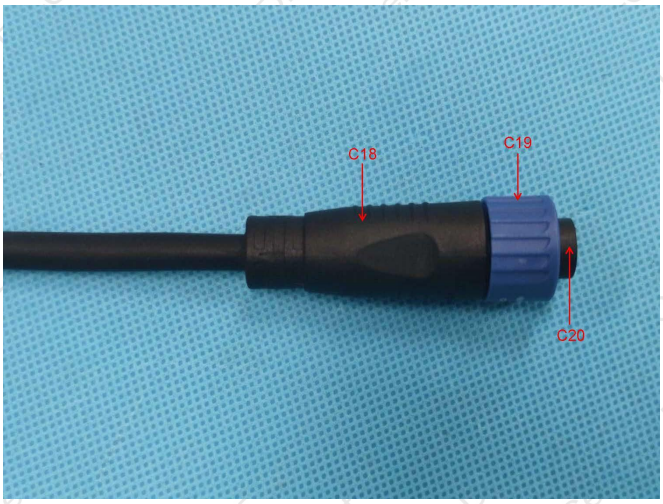
C17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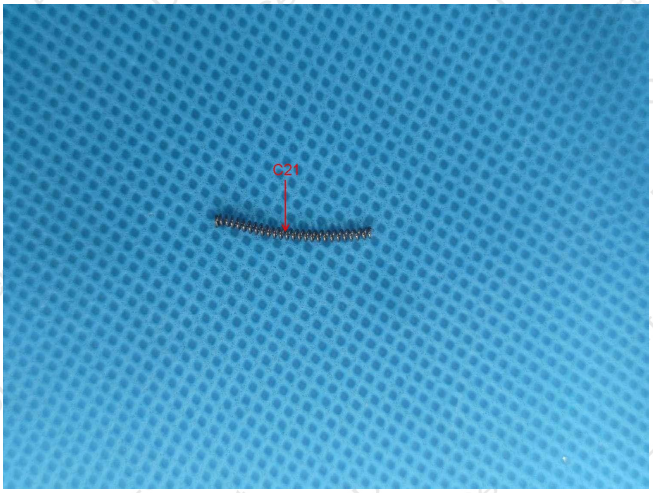
C19
C20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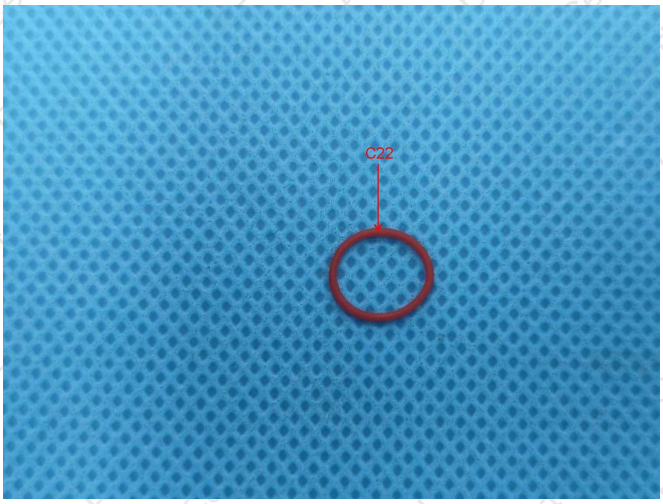
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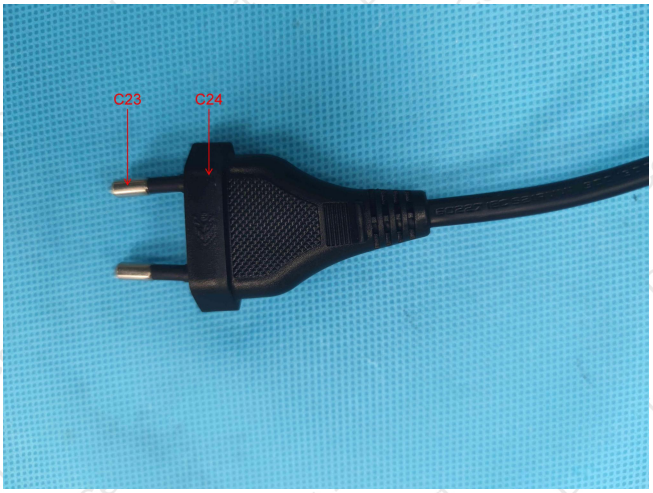
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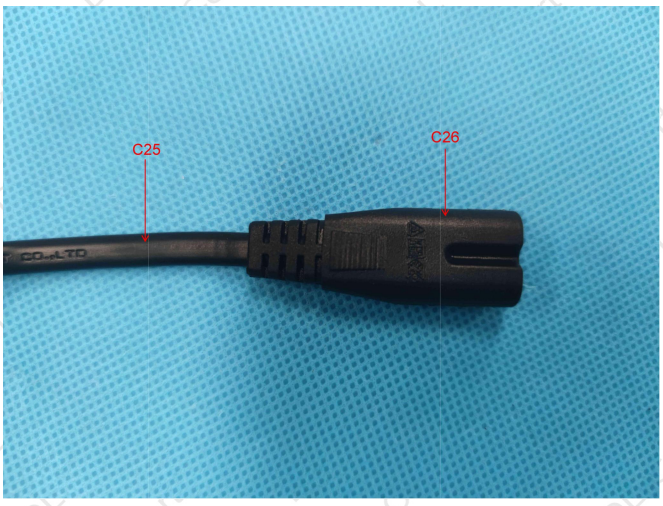
C25
C26


GRABO
LITHIUM ION

※※※※※ **END OF REPORT** ※※※※※