



RoHS TEST REPORT

Report No.: STE09302505R

Product: DC servo motor

Model No.: EC25, (others refer to page 2)

Prepared for: Shanghai Yanlan Automation Technology Co., Ltd

Address: 5th Floor, No.1 Dongchen South Road, Minhang District, Shanghai

Prepared by: Shenzhen STE Testing Laboratory Co., Ltd.

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Test Report

Date: October 16 2025

Report No: STE09302505R

Applicant.....: Shanghai Yanlan Automation Technology Co., Ltd

Address: 5th Floor, No.1 Dongchen South Road, Minhang District, Shanghai

Manufacturer..: Shanghai Yanlan Automation Technology Co., Ltd

Address: 5th Floor, No.1 Dongchen South Road, Minhang District, Shanghai

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

Sample Name: **DC servo motor**Model No. : **EC25**

Client Ref. Info.: Client declares that the same material as above model are:EC40, EC60, EC80, EC110

Trade mark: YANLANMC

Date of Sample Received : September 19 2025

Testing Period: September 19 2025 - October 16 2025

Test Requested: Selected test(s) as requested by client.

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

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

Conclusion: Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), DEHP, BBP, DBP, DIBP comply with the limits as set by RoHS Directive (EU)2015/863 and 2011/65/EU & (EU) 2017/2102

Signed for and on behalf of

Shenzhen STE Testing Laboratory Co., Ltd.

Todd Qian
Written By: _____

Todd Qian

Approved by: _____

**Fly Li**

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Restriction of Hazardous Substances Directive (RoHS), (EU)2017/2102, (EU) 2015/863 & 2011/65/EU

List of Analytes and their Corresponding Test Methods [European Council Directive (EU) 2015/863 & 2011/65/EU & (EU)2017/2102] :

Name of Analytes		Test Method(s)
Pb	Lead (Pb)	With reference to EN 62321-5: 2014; by ICP-OES.
Cd	Cadmium (Cd)	
Hg	Mercury (Hg)	With reference to EN 62321-4: 2014+ A1: 2017; by ICP-OES.
Cr⁶⁺	Chromium VI (Cr VI)	<u>Metal</u> : With reference to EN 62321-7-1: 2015. <u>Polymers & Electronics</u> : With reference to EN 62321-7-2: 2017. using UV-Vis.
PBBs	Polybrominated Biphenyls (Sum of PBBs)	With reference to EN 62321-6: 2015, by GC-MS.
	Bromobiphenyls	
	Dibromobiphenyls	
	Tribromobiphenyls	
	Tetrabromobiphenyls	
	Pentabromobiphenyls	
	Hexabromobiphenyls	
	Heptabromobiphenyls	
	Octabromobiphenyls	
	Nonabromobiphenyls	
	Decabromobiphenyl	
PBDEs	Polybrominated Diphenyl Ethers (Sum of PBDEs)	With reference to EN 62321-6: 2015, by GC-MS.
	Bromodiphenyl ethers	
	Dibromodiphenyl ethers	
	Tribromodiphenyl ethers	
	Tetrabromodiphenyl ethers	
	Pentabromodiphenyl ethers	
	Hexabromodiphenyl ethers	
	Heptabromodiphenyl ethers	
	Octabromodiphenyl ethers	
	Nonabromodiphenyl ethers	
	Decabromodiphenyl ether	
Phthalate	Bis-(2-ethylhexyl) Phthalate (DEHP)	With reference to EN 62321-8: 2017. by GC-MS
	Benzylbutyl Phthalate (BBP)	
	Dibutyl Phthalate (DBP)	
	Diisobutyl phthalate (DIBP)	

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TEST RESULT

No.	TEST ITEMS		Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr ⁶⁺)	PBBs	PBDEs
	UNIT		ppm	ppm	ppm	ppm	ppm	ppm
	Limit		1000	100	1000	1000	1000	1000
1.	Enclosure	Silvery metal	23	N.D.	N.D.	N.D.	--	--
2.	Handle	Black metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3.	Screw	Silvery metal	16	N.D.	N.D.	N.D.	--	--
4.	Label	White plastic sheet w/ colour ink w/ glue	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
5.	Power plug	Silvery metal	22	N.D.	N.D.	N.D.	--	--
		Black plastic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
6.	Power cord	Black PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		White PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Grey PVC	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Copper metal wire	15	N.D.	N.D.	N.D.	--	--
7.	Cord anchor	Black plastic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
8.	Connector	Black plastic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Copper metal	20	N.D.	N.D.	N.D.	--	--
9.	Screw	Black metal	25	N.D.	N.D.	N.D.	--	--
10.	Electronic wire	Yellow / Green PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Blue PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Black PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Red PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		White PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Brown PVC sheath	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Copper metal wire	N.D.	N.D.	N.D.	N.D.	--	--

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No.	TEST ITEMS		Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr ⁶⁺)	PBBs	PBDEs
	UNIT		ppm	ppm	ppm	ppm	ppm	ppm
	Limit		1000	100	1000	1000	1000	1000
11.	Lug terminal	Silvery metal	23	N.D.	N.D.	N.D.	--	--
12.	Connector	White plastic	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal	12	N.D.	N.D.	N.D.	--	--
13.	PCB	Green board w/ silvery metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
14.	Y capacitor	body	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	14	N.D.	N.D.	N.D.	--	--
15.	MOS IC	Black body	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	10	N.D.	N.D.	N.D.	--	--
16.	Chip IC	Black body w/ silvery metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
17.	Chip resistor	Black body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
18.	Chip capacitor	Brown body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
19.	Chip diode	Red body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
20.	Inductor	Copper wire	5	N.D.	N.D.	N.D.	N.D.	N.D.
		Black magnet metal	12	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal	25	N.D.	N.D.	N.D.	N.D.	N.D.
21.	Photoelectric coupler	Black body	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
		Silvery metal	13	N.D.	N.D.	N.D.	--	--
22.	Tin	Silvery metal	52	N.D.	N.D.	N.D.	N.D.	N.D.

Notes :

(1) The maximum permissible limit is quoted from the directive 2011/65/EU, Annex II

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "--" = Not Regulated

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No.	TEST ITEMS		Bis-(2-ethylhexyl) Phthalate (DEHP)	Benzylbutyl Phthalate (BBP)	Dibutyl Phthalate (DBP)	Diisobutyl phthalate (DIBP)
	UNIT		ppm	ppm	ppm	ppm
	Limit		1000	1000	1000	1000
1.	Enclosure	Silvery metal	--	--	--	--
2.	Handle / cover	Black metal	N.D.	N.D.	N.D.	N.D.
3.	Screw	Silvery metal	--	--	--	--
4.	Label	White plastic sheet w/ colour ink w/ glue	N.D.	N.D.	N.D.	N.D.
5.	Power plug	Silvery metal	--	--	--	--
		Black plastic	N.D.	N.D.	N.D.	N.D.
6.	Power cord	Black PVC	63	N.D.	N.D.	N.D.
		White PVC	N.D.	N.D.	N.D.	48
		Grey PVC	32	N.D.	N.D.	N.D.
		Coppery metal wire	--	--	--	--
7.	Cord anchor	Black plastic	N.D.	N.D.	N.D.	N.D.
8.	Connector	Black plastic	N.D.	N.D.	N.D.	N.D.
		Coppery metal	--	--	--	--
		Silvery metal	--	--	--	--
9.	Screw	Black metal	--	--	--	--
10.	Electronic wire	Yellow / Green PVC sheath	20	N.D.	N.D.	N.D.
		Blue PVC sheath	N.D.	N.D.	N.D.	30
		Black PVC sheath	N.D.	N.D.	51	N.D.
		Red PVC sheath	N.D.	N.D.	N.D.	41
		White PVC sheath	22	N.D.	N.D.	N.D.
		Brown PVC sheath	N.D.	N.D.	32	N.D.

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No.	TEST ITEMS		Bis-(2-ethylhexyl) Phthalate (DEHP)	Benzylbutyl Phthalate (BBP)	Dibutyl Phthalate (DBP)	Diisobutyl phthalate (DIBP)
	UNIT		ppm	ppm	ppm	ppm
	Limit		1000	1000	1000	1000
		Coppery metal wire	--	--	--	--
11.	Lug terminal	Silvery metal	--	--	--	--
12.	Connector	White plastic	N.D.	N.D.	N.D.	N.D.
		Silvery metal	--	--	--	--
13.	PCB	Green board w/ silvery metal	N.D.	N.D.	N.D.	N.D.
14.	Y capacitor	body	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	--	--	--	--
15.	MOS IC	Black body	N.D.	N.D.	N.D.	N.D.
		Silvery metal pin	--	--	--	--
16.	Chip IC	Black body w/ silvery metal	N.D.	N.D.	N.D.	N.D.
17.	Chip resistor	Black body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.
18.	Chip capacitor	Brown body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.
19.	Chip diode	Red body w/ Silvery metal	N.D.	N.D.	N.D.	N.D.
20.	In ductor	Coppery wire	N.D.	N.D.	N.D.	N.D.
		Black magnet metal	N.D.	N.D.	N.D.	N.D.
		Silvery metal	--	--	--	--
21.	Photoelectric coupler	Black body	N.D.	N.D.	N.D.	N.D.
		Silvery metal	--	--	--	--
22.	Tin	Silvery metal	N.D.	N.D.	N.D.	N.D.

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Notes :

(1) The maximum permissible limit is quoted from the directive (EU) 2015/863, Annex II

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated



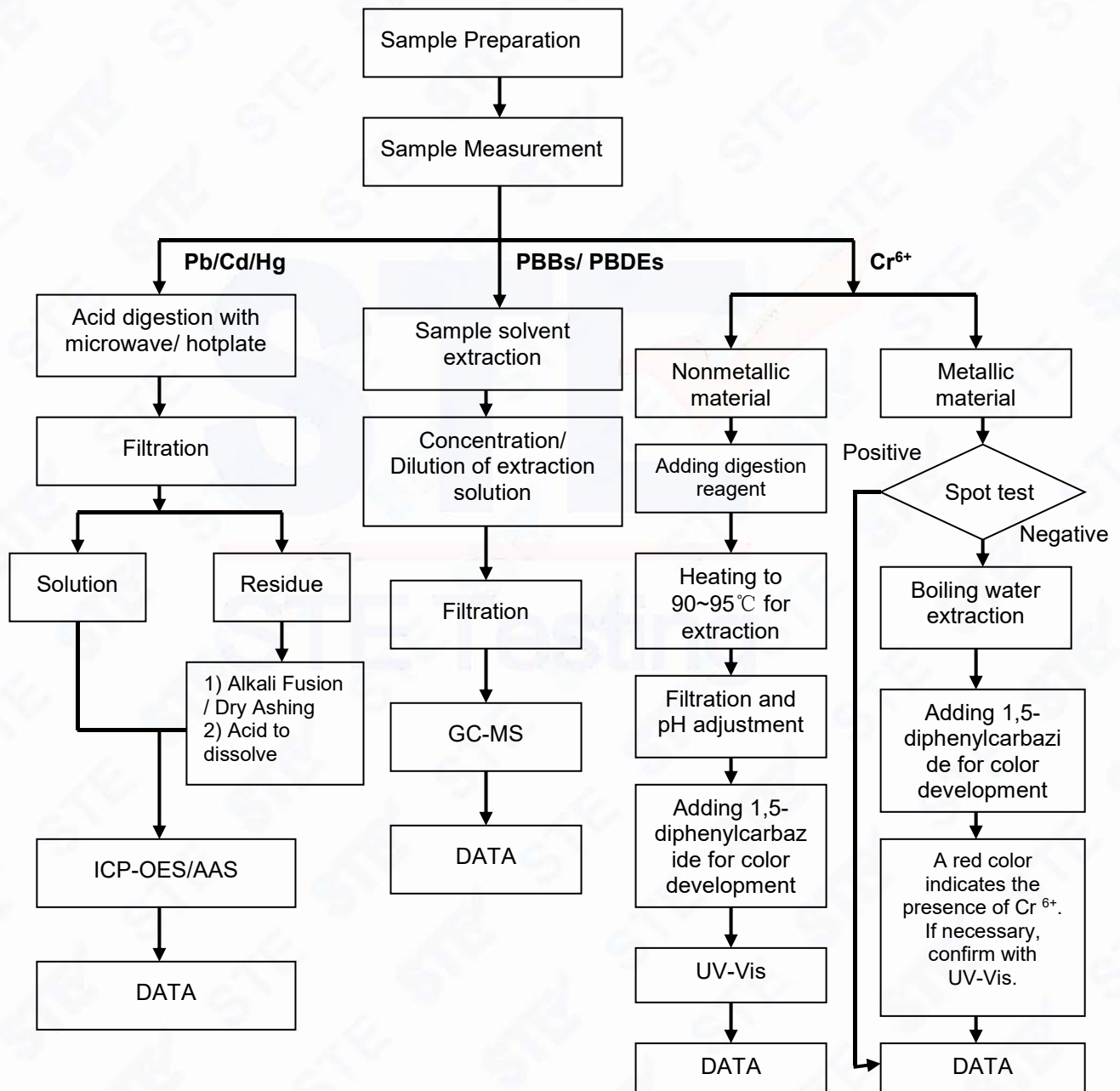
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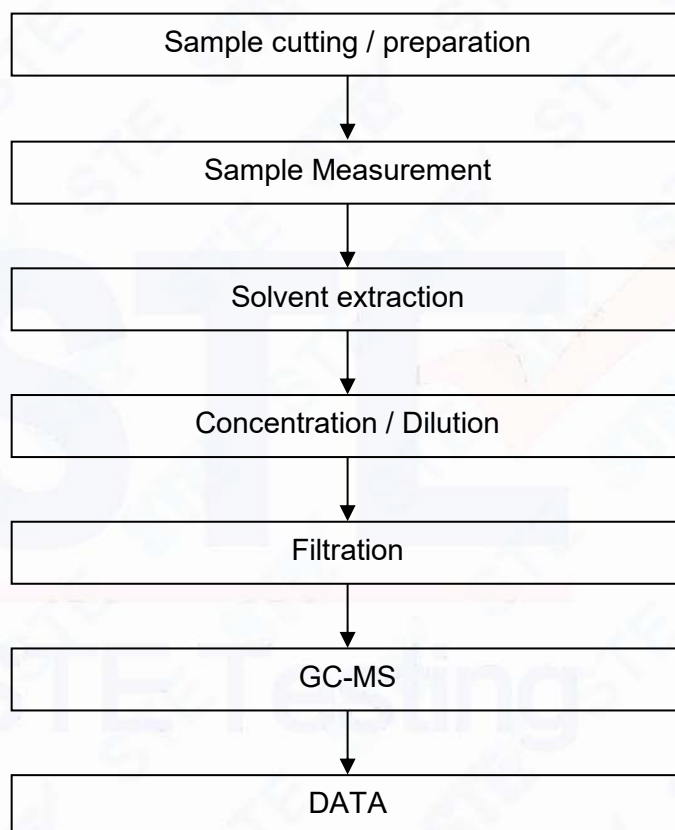
RoHS Testing Flow Chart

- 1) Name of the person who made testing: Hunter Liang
- 2) Name of the person in charge of testing: Todd Qian
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart (Cr⁶⁺ and PBBs/ PBDEs test method excluded).



Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Hunter Liang
2) Name of the person in charge of testing: Todd Qian



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Sample Photos:

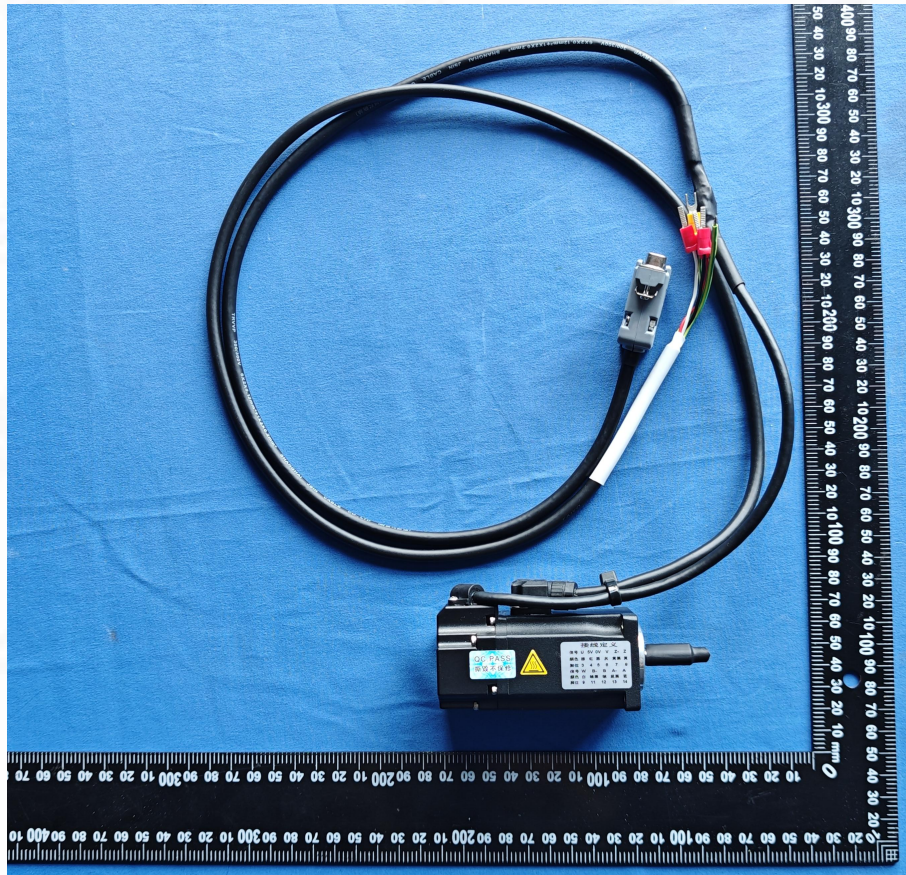


Fig. 1



Fig. 2

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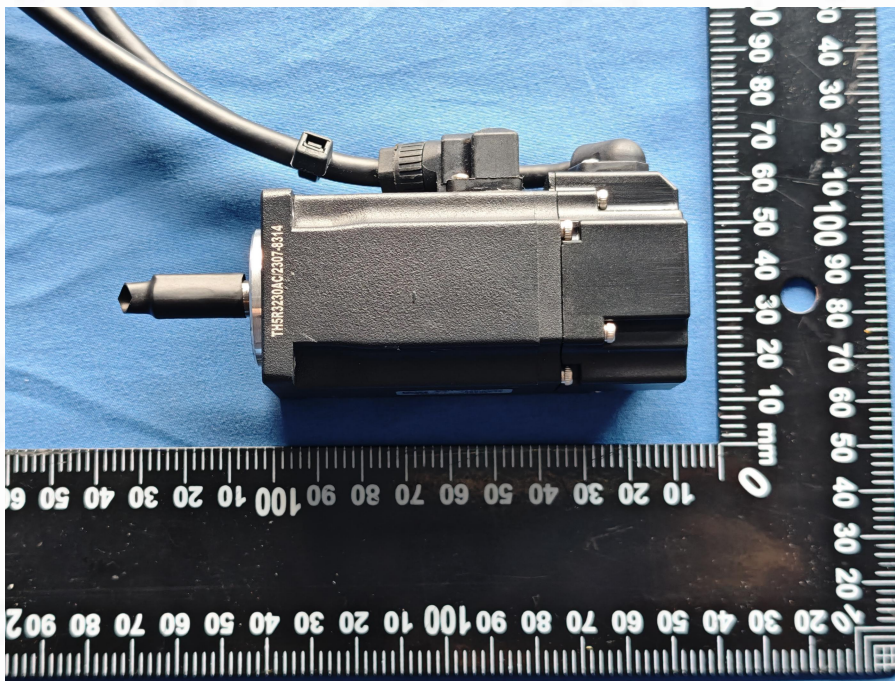
Sample Photos:

Fig. 3

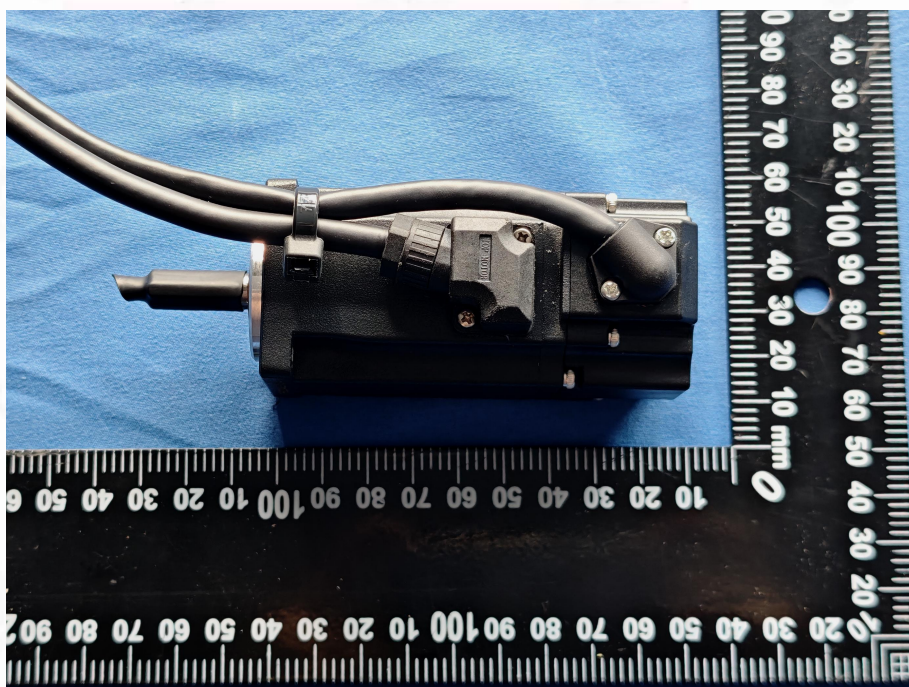


Fig. 4

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Sample Photos:

Fig. 5

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