

# Verification Report

No.: TAOEC2400335501

Date: 14 Mar 2024

Page 1 of 4

Client Name : Jiangsu DINGS' Intelligent Control Technology Co., Ltd.

Client Address : 355 Longjin Road, Changzhou Economic Development Zone, Jiangsu, China

Sample Name : Stepper Lead Screw Linear Actuator

Model No. : 11E2110K4-75.5SNAN.130

Client Ref. Information : E/N/C/K/BS/PM/H/P/W/HS/DLM/DSM/DSL/DWM/DMEG/DLG

Supplier : DINGS'

Manufacturer : Jiangsu DINGS' Intelligent Control Technology Co., Ltd.

Origin of the Product(s) : China

The above sample(s) and information were provided by the client.

---

SGS Job No. : SHP24-002979 - QD

Date of Sample Received : 31 Jan 2024

Testing Period : 31 Jan 2024 - 05 Mar 2024

Verification Requested : As requested by client, verify SCCPs and HBCDD on European Regulation POPs. (EU) 2019/1021 of the submitted sample.

Verification Method : Test was performed for the samples indicated by the photos in the report with below test methods:  
(1) Screening by XRF Spectroscopy  
(2) With reference to SGS In-House method, analysis was performed by GC-NCI-MS / GC-ECD / GC-MS.

Verification Results : Please refer to next page(s)

Verification Conclusion : Based on the verification results of the submitted samples, the results of SCCPs and HBCDD do not exceed the limit of Annex I of European Regulation POPs. (EU) 2019/1021.

Signed for and on behalf of  
SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Zhang Bo, Justin  
Approved Signatory

**Details on Verification**

In accordance with the result of material risk assessment, the following disjointed parts in the submitted sample have been verified

Part No.	Part Description	BOM No.	Restricted Substances	Results of EDXRF <sup>(1)</sup>	Result of Wet Chemical Testing <sup>(2)</sup> (mg/kg)	Conclusion	Sample Submitted / Resubmitted Date
1	Green/white plastic(jacket)	A1	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
2	Green plastic(jacket)	A2	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
3	Red/white plastic(jacket)	A3	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
4	Red plastic(jacket)	A4	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
5	Gray plastic	A5	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
6	Beige plastic	A6	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
7	Silvery plastic(label)	A7	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
8	Black plastic	A8	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
9	Black liquid	A9	SCCPs	BL	---	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	
10	Copper enamelled wire	A10	SCCPs	IN	ND	Comply	31 Jan 2024
			HBCDD	BL	---	Comply	

**Remark**

- (1) (a) There are the results on total Cl while test item on restricted substance is Alkanes C10-C13, chloro (short-chain chlorinated paraffins) (SCCPs).  
There are the results on total Br while test item on restricted substance is Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD).
- (b) Results are obtained by EDXRF for primary screening, and further chemical testing by GC-NCI-MS / GC-ECD / GC-MS for SCCPs and HBCDD are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg).

Element	Judgement
Cl	$BL \leq (400 - 3\sigma) < X$
Br	$BL \leq (50 - 3\sigma) < X$

- (c) BL = Below Limit, IN = Inconclusive
- (d) The EDXRF screening test for Cl, Br elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

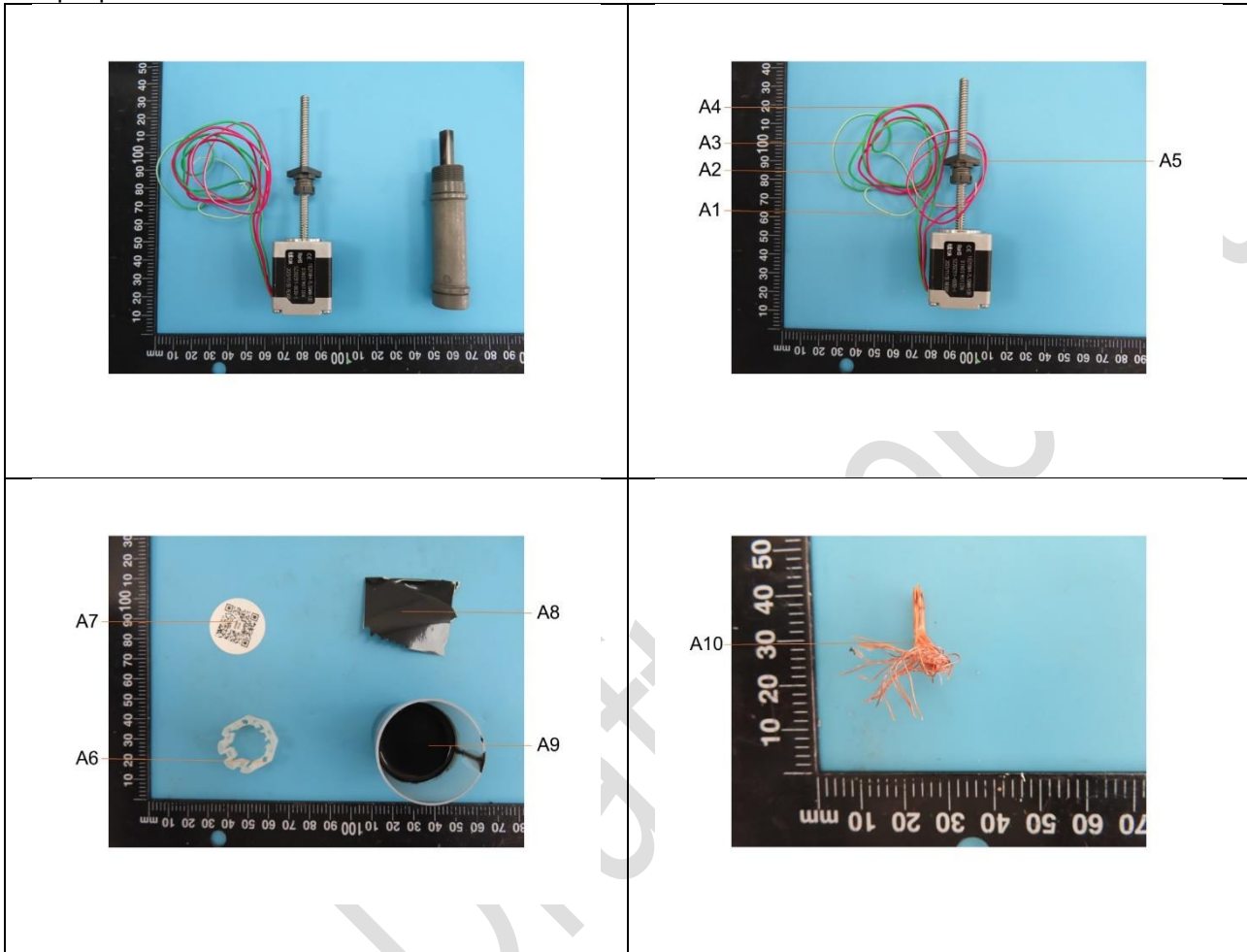
(2) (a) mg/kg = ppm = 0.0001%, ND = Not Detected (<MDL), --- = Not Conducted, - = Without BOM.

(b) Unit and Method Detection Limit (MDL) in wet chemical test

Test Items	SCCPs	HBCDD
Units	mg/kg	mg/kg
MDL	500	50

- (3) (a) With reference to European Regulation POPs (EU) 2019/1021, Alkanes C10-13, chloro (short chain-chlorinated paraffins) (SCCPs) limit is 0.15 % (w/w) for articles.
- (b) With reference to European Regulation POPs (EU) 2019/1021, HBCDD, No more than 100 mg/kg as an unintentional trace contaminant in substances, mixtures, articles or flame-retarded parts of articles.

Sample photo:



SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*