

Verification Report

No. SHAEC2102221101

Date: 23 Mar 2021

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LEDVANCE Operation & Management (Shenzhen) Co., Ltd.

5/F, Block 2, Liuxian Cultural Park, No. 1002 Tongle Road, Xili, Nanshan District, Shenzhen 518055, P.R. China

Sample Name : LED LAMP
 SGS Job No. : SP21-003191 - SH
 Tested Basic Model No. : AC32103
 Client Ref. Information : Please refer to remark (6)
 Date of Sample Received : 02 Feb 2021
 Verification Period : 02 Feb 2021 - 23 Mar 2021
 Verification Requested : With reference to RoHS Directive (EU) 2015/863 amending 2011/65/EU.
 Verification Method : Please refer to next page(s).
 Verification Result : Please refer to next page(s).
 Verification Conclusion : Based on the verification results of the submitted samples, 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.

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



Jessica Chen
 Approved Signatory



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Verification Method :

1. With reference to IEC 62321-2:2013, review was performed for the samples disjointed from the submitted articles.
2. With reference to IEC 62321-1:2013, tests were performed for the samples indicated by the photos in this report
 - (1) With reference to IEC 62321-3-1:2013, screening by EDXRF spectroscopy
 - (2) Wet chemical test method
 - a. With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES
 - b. With reference to IEC 62321-5:2013, determination of Lead by ICP-OES
 - c. With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES
 - d. With reference to IEC 62321-7-1:2015, IEC 62321-7-2:2017 & ISO 17075-1:2017, determination of Hexavalent chromium by Colorimetric method using UV-Vis.
 - e. With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS
3. With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.



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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
1	AC32103-Transparent plastic (shell)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
2	AC32103-Transparent plastic (end cover)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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3	AC32103-Silvery metal (soldering tin) (PCB1)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
DIBP	---	---	---	---			
4	AC32103-Yellow LED (body) (PCB1)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
5	AC32103-White PCB1 (body)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
6	AC32103-Gray adhesive (bracket)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
7	AC32103-Silvery metal (bracket)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
8	AC32103-Yellow plastic (jacket) (wire) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
		DIBP	---	IN	ND	Comply	

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
9	AC32103-Pink plastic (jacket) (wire) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
10	AC32103-Copper-colored metal (wire core) (wire) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
DIBP	---	---	---	---			

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11	AC32103-Green inductor (body) (PCB2)	Pb	IN	---	ND	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
12	AC32103-Silvery metal (pin) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	IN	---	ND	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
DIBP	---	---	---	---			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
13	AC32103-Gray resistor (body) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	IN	---	ND	Comply	
		PBDEs	IN	---	ND	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
14	AC32103-Black rectifier bridge (body) (PCB2)	Pb	OL▲	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	IN	---	ND	Comply	
		PBDEs	IN	---	ND	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
15	AC32103-Black IC1 (body) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	IN	---	ND	Comply	
		PBDEs	IN	---	ND	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
16	AC32103-Black IC2 (body) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
17	AC32103-Silvery plastic (film) (capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
18	AC32103-Brown plastic (shell) (capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
19	AC32103-Black plastic (bracket) (transformer) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
20	AC32103-Yellow plastic (sticky paper) (adhesive tape) (transformer) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	IN	---	ND	Comply	
		PBDEs	IN	---	ND	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
21	AC32103-Black ferrite (transformer) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	BL	---	Comply	
		BBP	---	BL	---	Comply	
		DEHP	---	BL	---	Comply	
DIBP	---	BL	---	Comply			
22	AC32103-Copper-colored metal (enamelled wire) (loop) (transformer) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
23	AC32103-Black plastic (boot) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
24	AC32103-Blue plastic (shell) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
25	AC32103-Silvery metal (shell) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
26	AC32103-Silvery metal (pin) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
27	AC32103-Silvery metal (aluminum foil) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
		DIBP	---	---	---	---	
28	AC32103-Black rubber (sealed washer) (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
		DIBP	---	IN	ND	Comply	

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
29	AC32103-Brown electrolytic paper (electrolytic capacitor) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	BL	---	---	Comply	
		PBDEs	BL	---	---	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
DIBP	---	IN	ND	Comply			
30	AC32103-Silvery metal (soldering tin) (PCB2)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	OL	---	ND	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	---	---	---	---	
		PBDEs	---	---	---	---	
		DBP	---	---	---	---	
		BBP	---	---	---	---	
		DEHP	---	---	---	---	
DIBP	---	---	---	---			

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Part No.	Part Description	Restricted Substances	Results of EDXRF(1)	Screening Result of PHTH(2)	Result of Wet Chemical Testing(3) (mg/kg)	Conclusion on EU RoHS	Sample Submitted / Resubmitted Date
31	AC32103-White PCB2 (body)	Pb	BL	---	---	Comply	02 Feb 2021
		Cd	BL	---	---	Comply	
		Hg	BL	---	---	Comply	
		Cr(VI)▼	BL	---	---	Comply	
		PBBs	IN	---	ND	Comply	
		PBDEs	IN	---	ND	Comply	
		DBP	---	IN	ND	Comply	
		BBP	---	IN	ND	Comply	
		DEHP	---	IN	ND	Comply	
		DIBP	---	IN	ND	Comply	

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Remark

- (1) (a) There are the results on total Br while test items on restricted substances are PBBs and PBDEs. There is the result on total Cr while test item on restricted substances is Cr(VI).
- (b) 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 IEC62321-3-1:2013 (unit: mg/kg).

Element	Polymer	Metal	Composite Materials
Cd	$BL \leq (70-3 \sigma) < X < (130+3 \sigma) \leq OL$	$BL \leq (70-3 \sigma) < X < (130+3 \sigma) \leq OL$	$LOD < X < (150+3 \sigma) \leq OL$
Pb	$BL \leq (700-3 \sigma) < X < (1300+3 \sigma) \leq OL$	$BL \leq (700-3 \sigma) < X < (1300+3 \sigma) \leq OL$	$BL \leq (500-3 \sigma) < X < (1500+3 \sigma) \leq OL$
Hg	$BL \leq (700-3 \sigma) < X < (1300+3 \sigma) \leq OL$	$BL \leq (700-3 \sigma) < X < (1300+3 \sigma) \leq OL$	$BL \leq (500-3 \sigma) < X < (1500+3 \sigma) \leq OL$
Br	$BL \leq (300-3 \sigma) < X$	--	$BL \leq (250-3 \sigma) < X$
Cr	$BL \leq (700-3 \sigma) < X$	$BL \leq (700-3 \sigma) < X$	$BL \leq (500-3 \sigma) < X$

- (c) BL = Below Limit, OL = Over Limit, IN = Inconclusive, LOD = Limit of Detection, -- = Not regulated.
- (d) The XRF screening test for RoHS elements – The reading may be different to the actual content in the sample be of non-uniformity composition.

- (2) Screening results of PHTH are for primary screening, and further chemical testing by GC-MS (for DBP, BBP, DEHP and DIBP) are recommended to be performed if the concentration exceeds the below warning value (unit: mg/kg).

Compound	Polymer
DBP	$BL \leq 600 < X$
BBP	$BL \leq 600 < X$
DEHP	$BL \leq 600 < X$
DIBP	$BL \leq 600 < X$

- (3) (a) mg/kg = 0.0001%, MDL=Method detection Limit, ND = Not Detected (<MDL), --- = Not conducted, - = Without BOM.
- (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, composite and leather sample is 10 mg/kg.
 MDL of Cr(VI) for metal sample is 0.10µg/cm².



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(c) ▼=Metal sample

- a. The sample is positive for CrVI if the CrVI concentration is greater than 0.13 µg/cm².
The sample coating is considered to contain CrVI
 - b. The sample is negative for CrVI if CrVI is ND (concentration less than 0.10 µg/cm²).
The coating is considered a non-CrVI based coating
 - c. The result between 0.10 µg/cm² and 0.13 µg/cm² is considered to be inconclusive
- 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.

(4) Restricted substances and maximum concentration values tolerated by weight in homogeneous materials under RoHS Directive: Cd: 0.01%, Pb/Hg/Cr(VI)/PBBs/PBDEs/DEHP/DBP/BBP/DIBP: 0.1%.
The limit is quoted from RoHS Directive (EU) 2015/863.

IEC 62321 series is equivalent to EN 62321 series

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

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#2021-06-30 #
#RL-Released
9C1 4063925-EN-00



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(5)▲=According to the declaration from the client, Lead (Pb) in No.14 is exempted by EU RoHS directive 2011/65/EU based on [ANNEX III 7(c)-I]: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

(6) Client Ref. Information:

Basic Code (Model No)	Model description
AC32103	LED PIN 50 NON-DIM 827 230V G9
AC32122	LED PIN 50 NON-DIM 840 230V G9
AC32105	LED PIN 40 THREE STEP DIM 827 230V G9
AC32117	LED PIN 30 DIM 827 230V G9

(7) According to the declaration from applicant, the materials of Model “AC32103” are the same as those in Model of remark (6) and its results for support the results of Model in remark

(6). The applicant will take the responsibility of all discrepancy and risk.

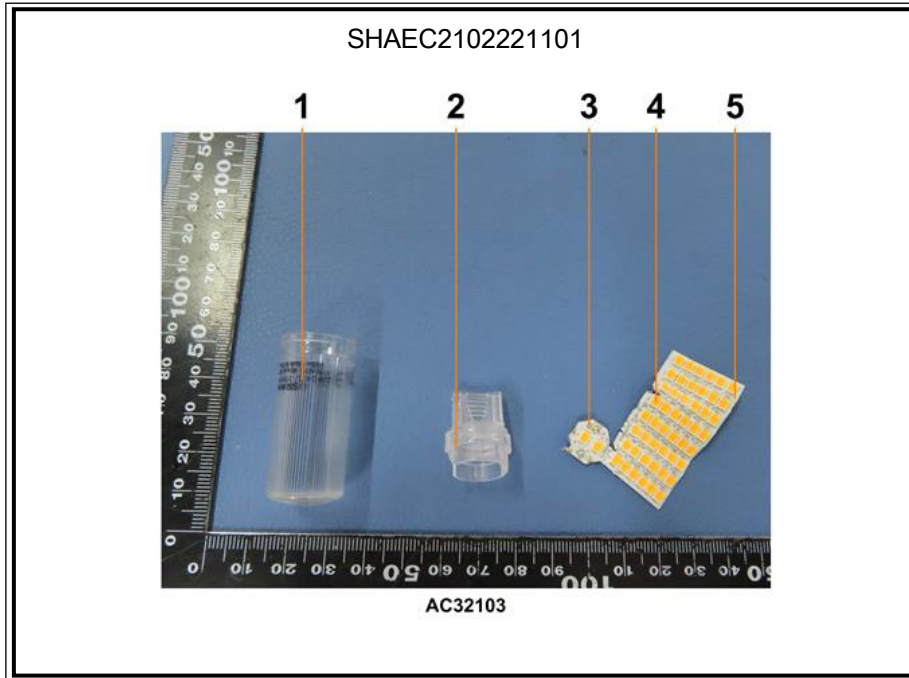


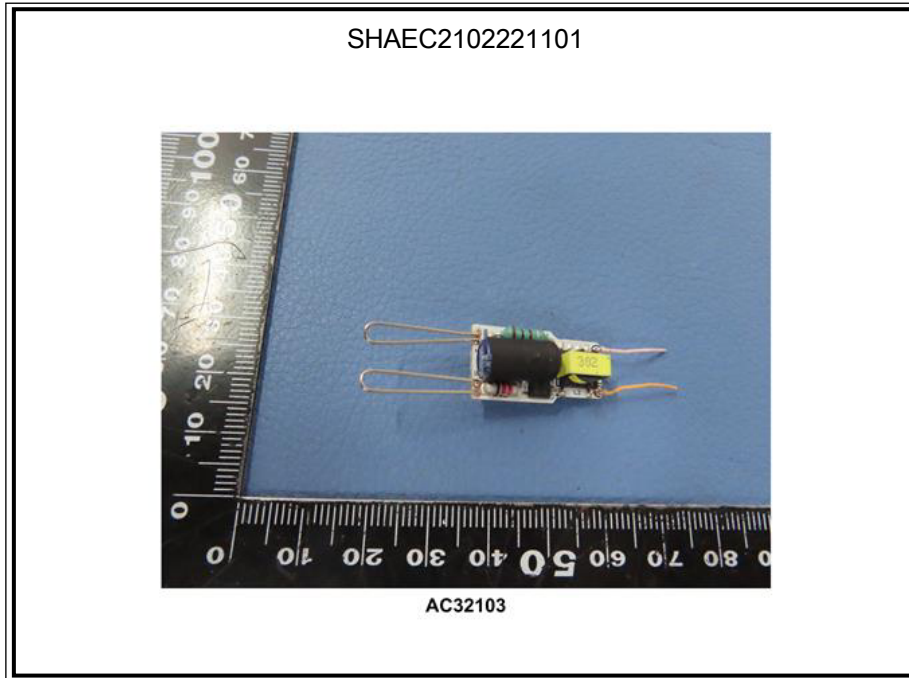
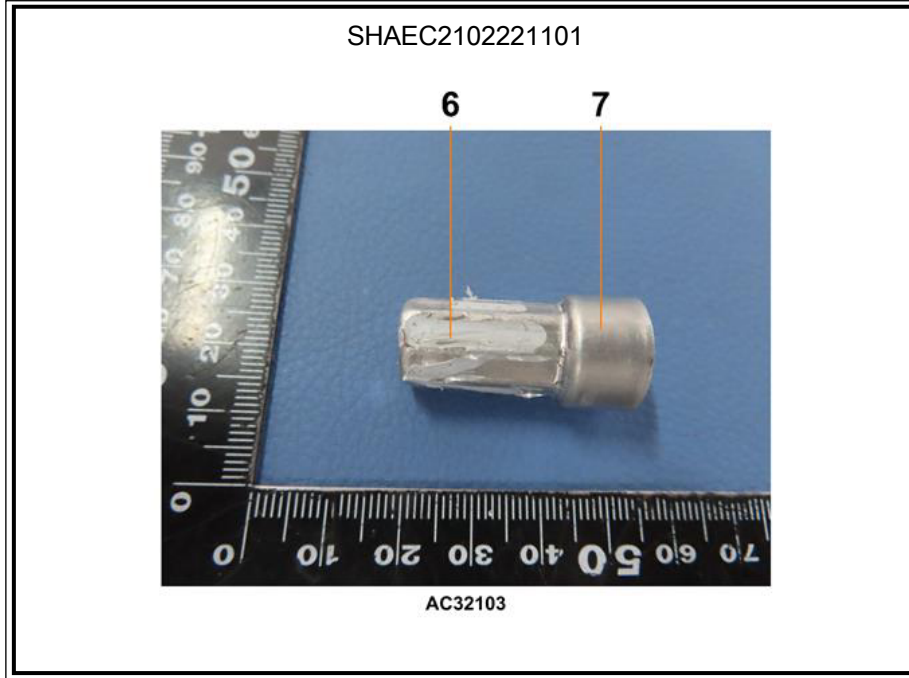
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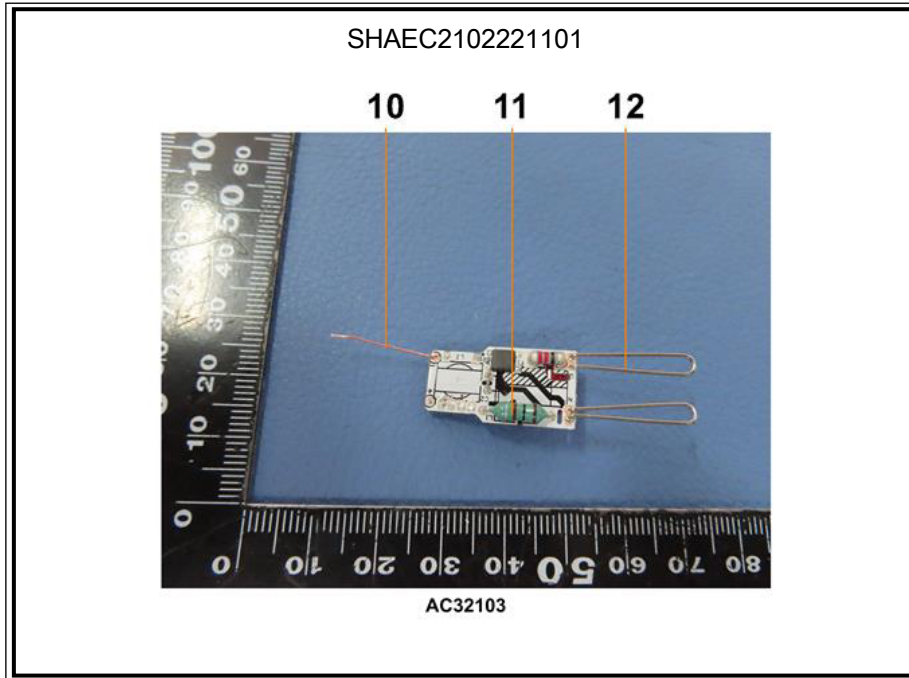
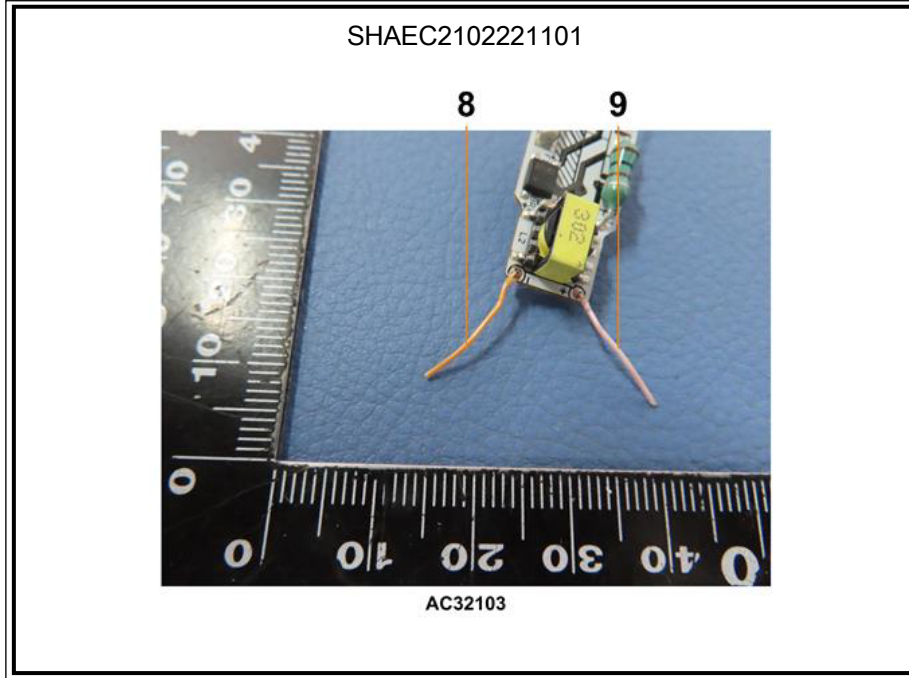
Sample photo:





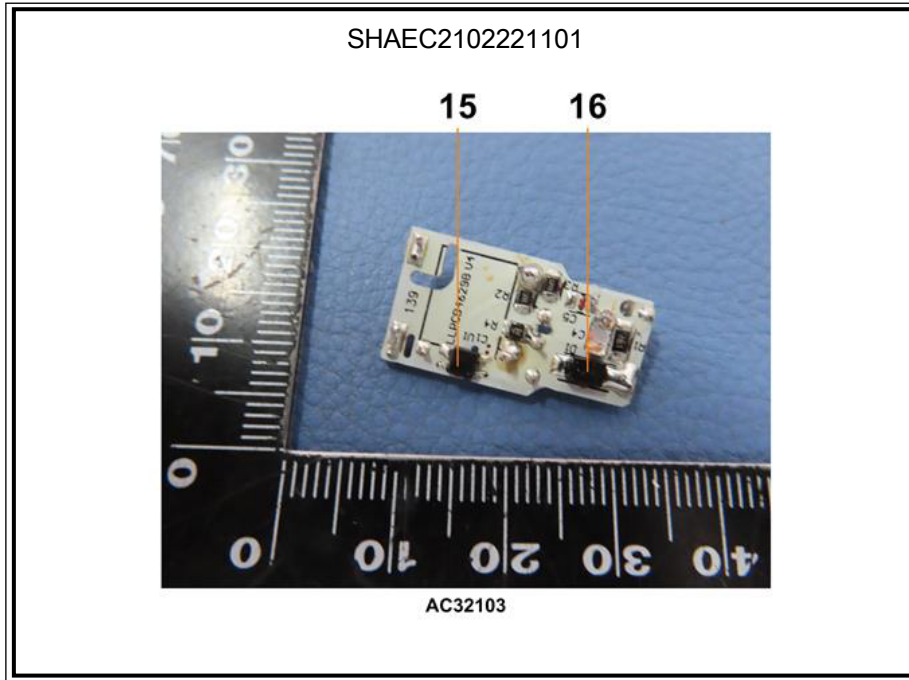
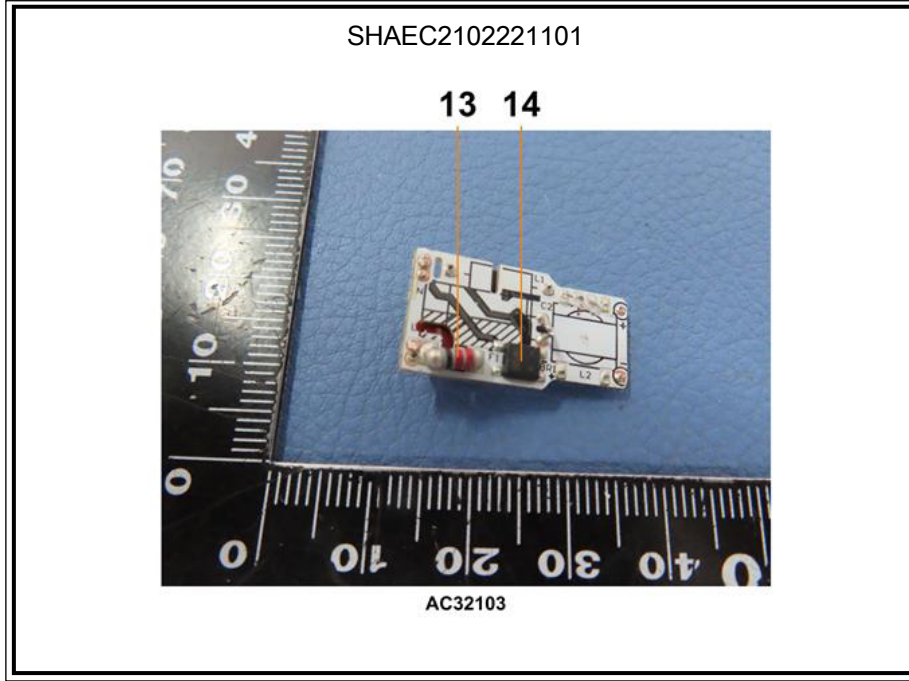
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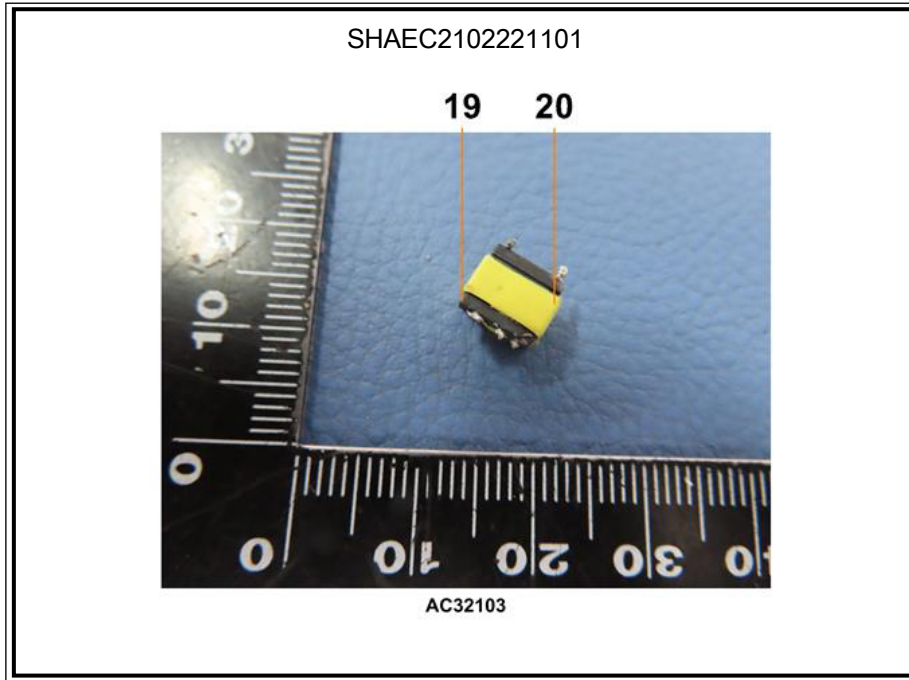
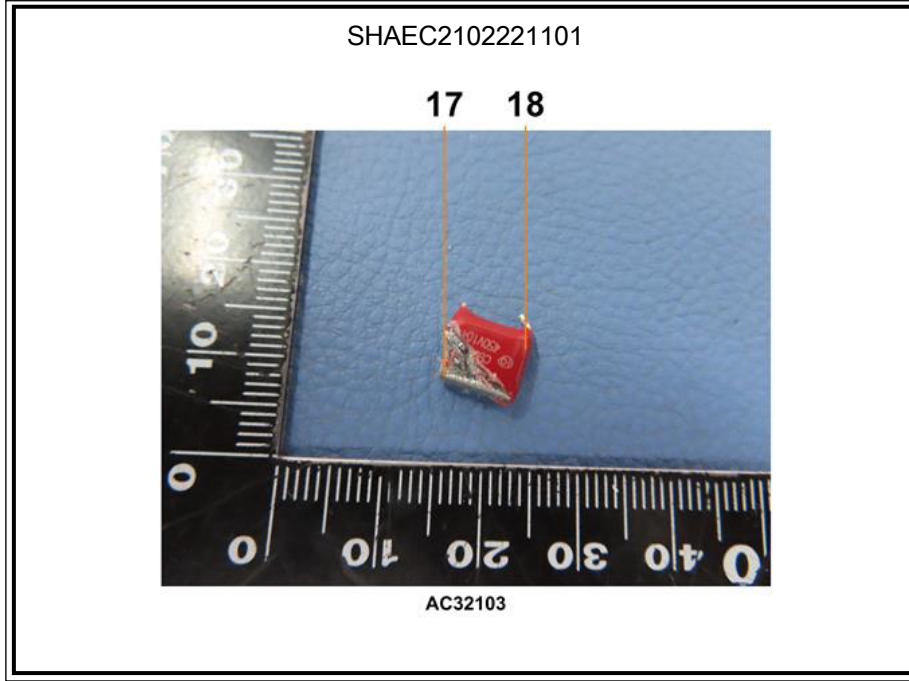
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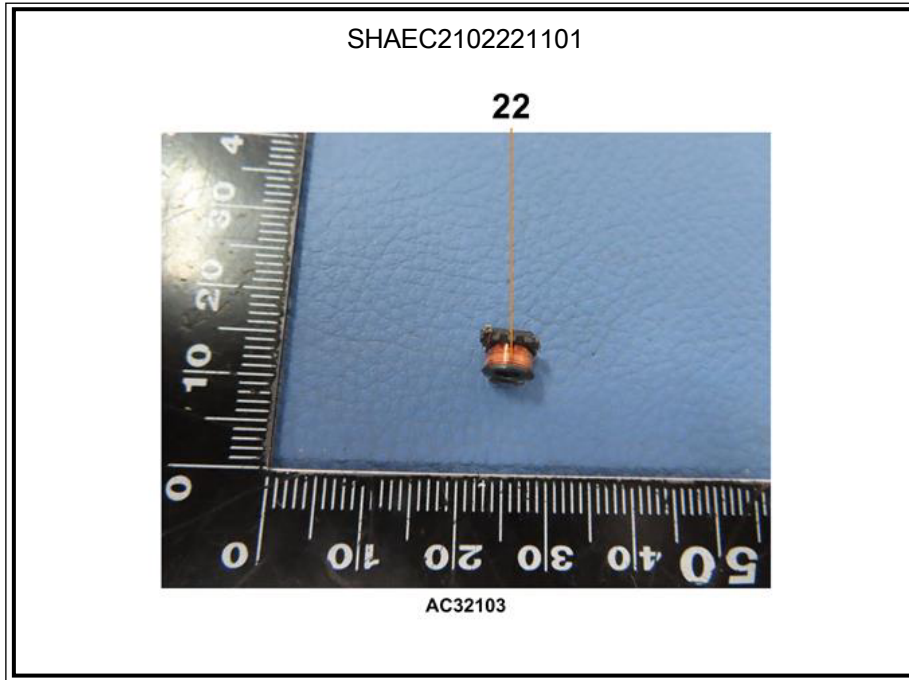
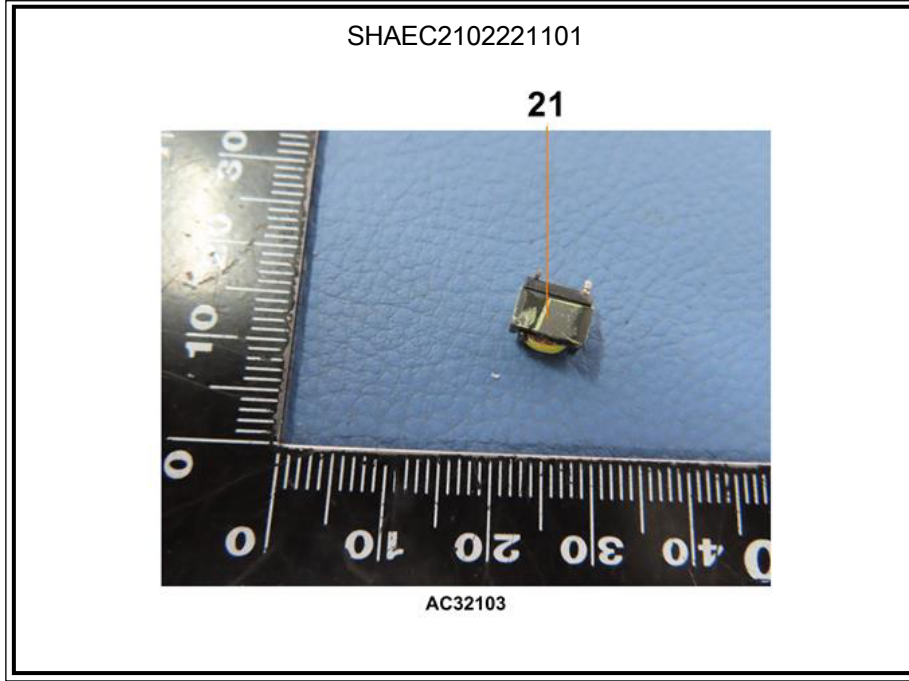
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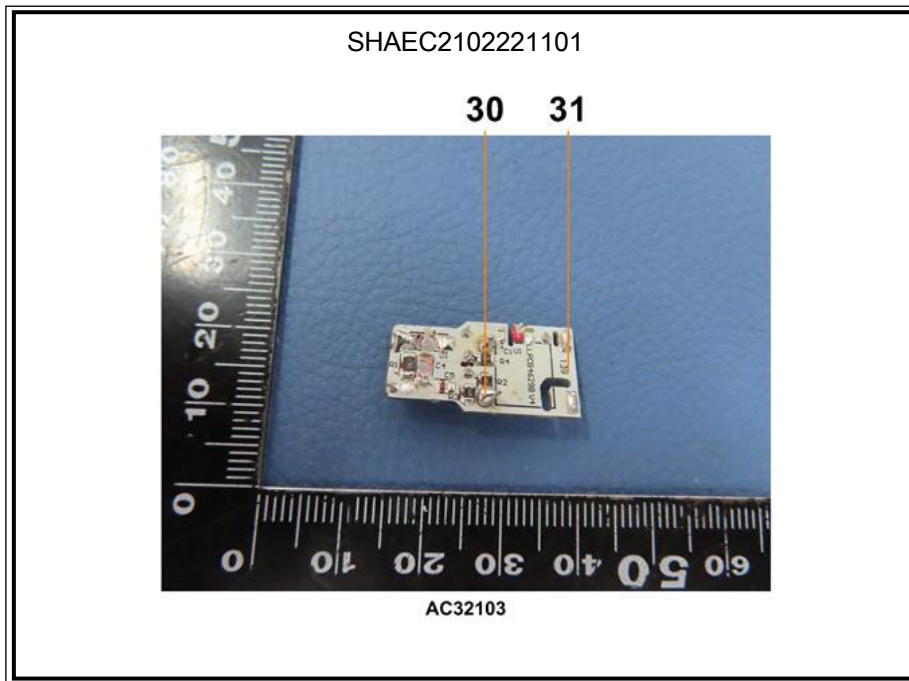
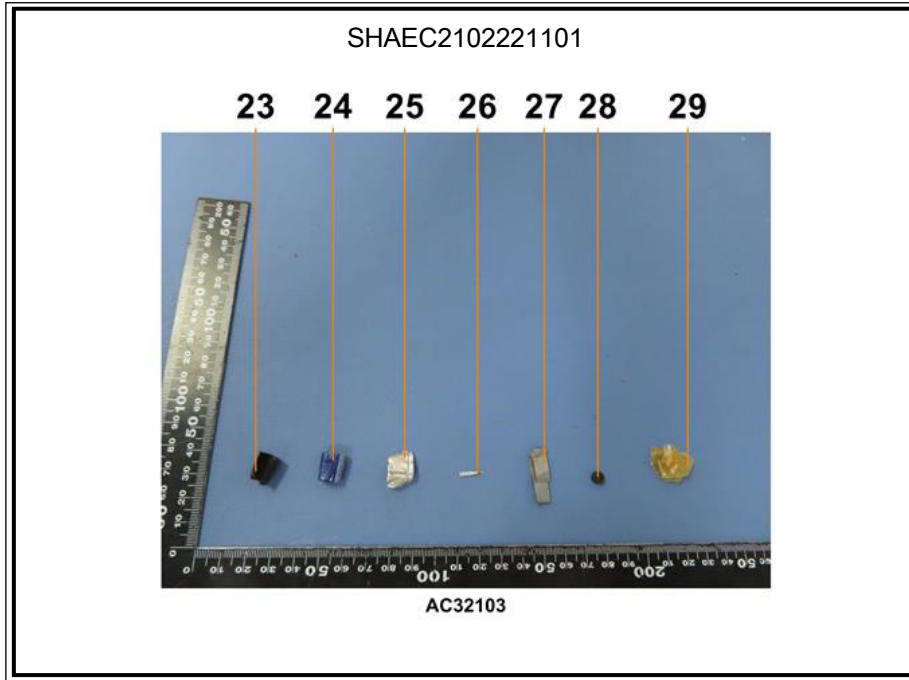
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