




STC Test Report

Date : 2016-06-30

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No. : DE116302

- Applicant** : Shenzhen Greatfavonian Electronic CO., LTD
5F, Tongfuyu Industrial Park, Lezhujiao, Zhoushi Road,
Xixiang Town, Baoan District, Shenzhen, China
- Description of Sample(s)** : Submitted sample(s) said to be
Product: LED Bracelet (Sound Activated LED Bracelet /
Remote Controlled LED Bracelet / Motion
Activated LED Bracelet)
Brand name: GFLAI
Model no.: GF55188
Quantity submitted: 1 piece
Country of origin: China
Country of destination: USA
Manufacturer: Shenzhen Greatfavonian Electronic
CO., LTD
- Date Sample(s) Received** : 2016-05-30
- Date Tested** : 2016-05-30 to 2016-06-07
- Investigation Requested** : Test for screening for elements (lead, mercury, cadmium,
total chromium and total bromine) as specified in the EU
RoHS directive 2011/65/EU– Restriction of the use of
certain hazardous substances in electrical and electronic
equipment.
- Method used** : X-Ray Fluorescence Spectrometry method in reference to
standard of EN 62321-3-1: 2014
- Determination of certain substances in electrotechnical
products – Part 3-1: Screening – Lead, mercury, cadmium,
total chromium and total bromine by X-ray fluorescence
spectrometry.
- Conclusion(s)** : The test result of the screening components of submitted
sample ~~COMPLIED~~ with EU RoHS directive 2011/65/EU.
- Remark(s)** : --


LI Chang Jun, Ricky
Authorized Signatory
Electrical Safety Department
For and on behalf of
STC (Dongguan) Company Limited



STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code : 523 770)
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Test for screening for elements (lead, mercury, cadmium, total chromium and total bromine) as specified in the EU RoHS directive 2011/65/EU– Restriction of the use of certain hazardous substances in electrical and electronic equipment.

	Detected content (grade) – See below marks						
	Parts description	Pb	Hg	Cd	Cr	Br	Conclusion
1	White silicone rubber	NEG	NEG	NEG	NEG	NEG	Fulfilled
2	Blue transparent plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
3	Green transparent plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
4	Red transparent plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
5	Silver-grey metal screw	NEG	NEG	NEG	NEG	N.A.	Fulfilled
6	Transparent plastic (LED)	NEG	NEG	NEG	NEG	NEG* ¹	Fulfilled
7	Silvery metal pin	NEG	NEG	NEG	NEG	N.A.	Fulfilled
8	SMD LED	NEG	NEG	NEG	NEG	NEG	Fulfilled
9	Silver-grey metal screw	NEG	NEG	NEG	NEG	N.A.	Fulfilled
10	SMD transistor	NEG	NEG	NEG	NEG	NEG* ²	Fulfilled
11	SMD resistor	NEG	NEG	NEG	NEG	NEG	Fulfilled
12	SMD capacitor	NEG	NEG	NEG	NEG	NEG	Fulfilled
13	Solder tin	NEG	NEG	NEG	NEG	N.A.	Fulfilled
14	Silver-grey metal	NEG	NEG	NEG	NEG	N.A.	Fulfilled

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	Detected content (grade) – See below marks						
	Parts description	Pb	Hg	Cd	Cr	Br	Conclusion
15	PCB	NEG	NEG	NEG	NEG	NEG	Fulfilled
16	Black paper	NEG	NEG	NEG	NEG	NEG	Fulfilled
17	Silver-grey meal shell	NEG	NEG	NEG	NEG	N.A.	Fulfilled
18	PCB	NEG	NEG	NEG	NEG	NEG ^{*4}	Fulfilled
19	Silver-grey metal	NEG	NEG	NEG	NEG	N.A.	Fulfilled
20	White plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
21	Silver-grey metal	NEG	NEG	NEG	NEG	N.A.	Fulfilled
22	Silver-grey metal	NEG	NEG	NEG	NEG	N.A.	Fulfilled
23	Black plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
24	Silver-grey metal	NEG	NEG	NEG	NEG ^{*3}	N.A.	Fulfilled
25	Silver-grey metal	NEG	NEG	NEG	NEG	N.A.	Fulfilled
26	White plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled

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Test for screening for elements (lead, mercury, cadmium, total chromium and total bromine) as specified in the EU RoHS directive 2011/65/EU– Restriction of the use of certain hazardous substances in electrical and electronic equipment.

Remark 1	In reference to EN 62321-3-1: 2014, screening limits for polymer or metallic materials are 70ppm for Cadmium, 300ppm for Bromine and 700ppm for others substances.
Remark 2	NEG – stands for below screening limit N.A. – stands for not applicable Exe – stands for Exempted
Remark 3	As from the technology of XRF screening, both Chromium and Bromine content are represented in a total level within their respective compound family.
Remark 4	For individual components, screening tests are performed separately for its integrated composition homogenous material. But for easy reference, it is represented as one unit under the above parts description column.
Remark 5	The sample was tested by screening method on behalf of the applicant as non-homogenous parts in one testing. The result in this report represents average of the whole sample. The result may deviate from the real data when tested in homogenous mode as specified in RoHS directive.
Remark ^{*1}	Refer to client information – SGS Report No.: CANEC1608131001
Remark ^{*2}	Refer to client information – SGS Report No.: CANEC1204112303
Remark ^{*3}	Refer to client information – HCT Report No.: SZC15080880483-67
Remark ^{*4}	Refer to client information – HCT Report No.: CANEC1300658604

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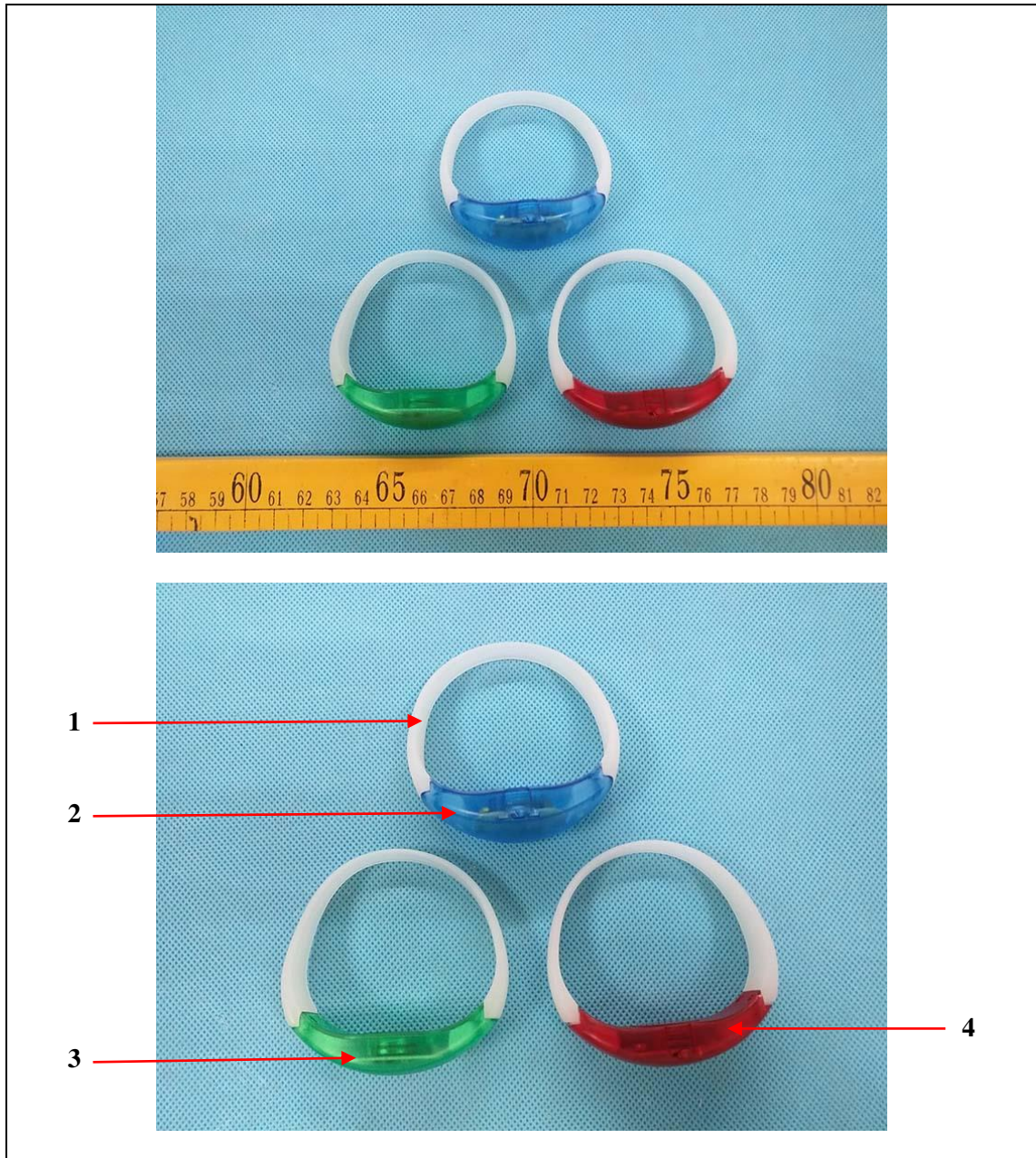
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Product photographs



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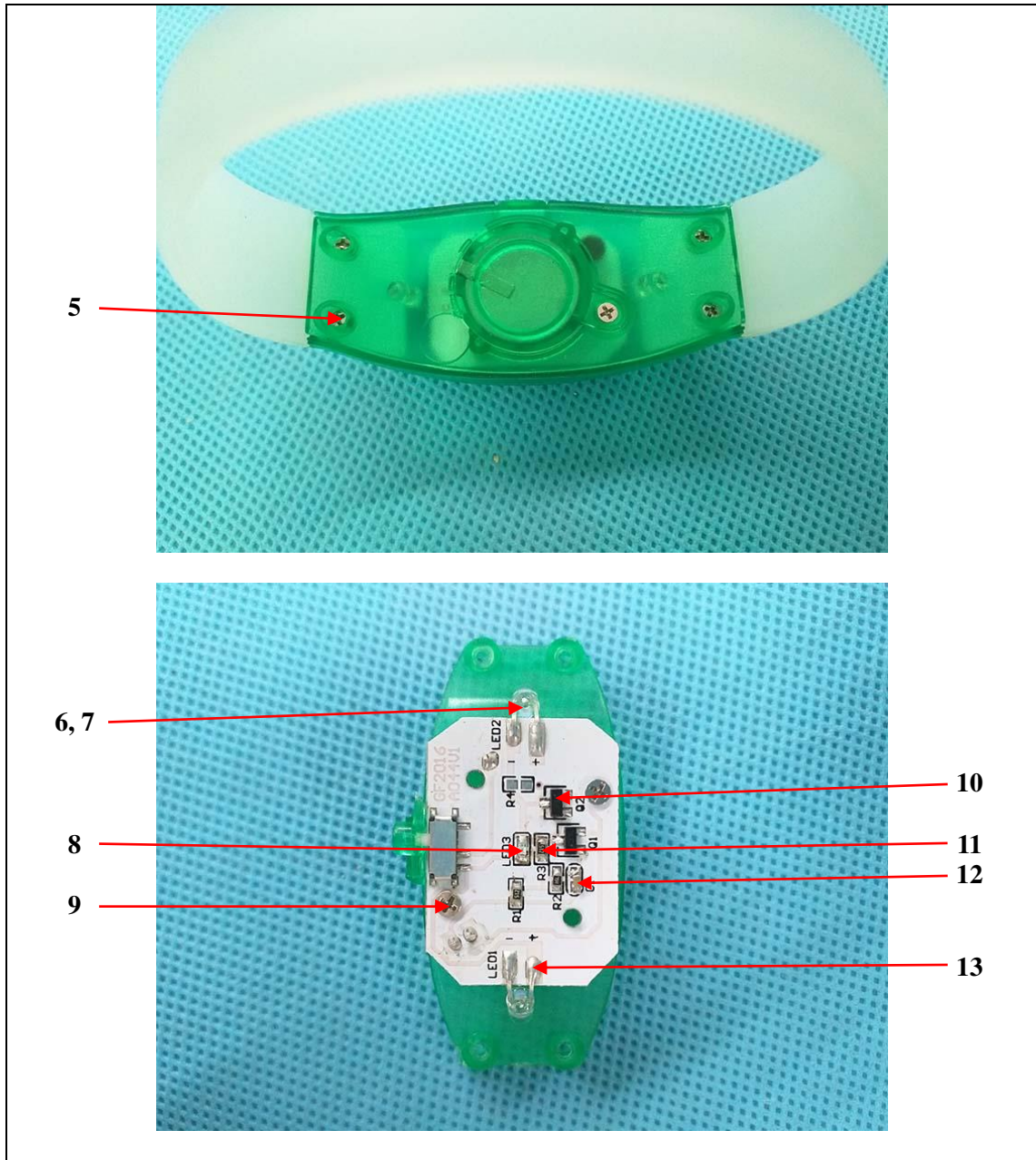
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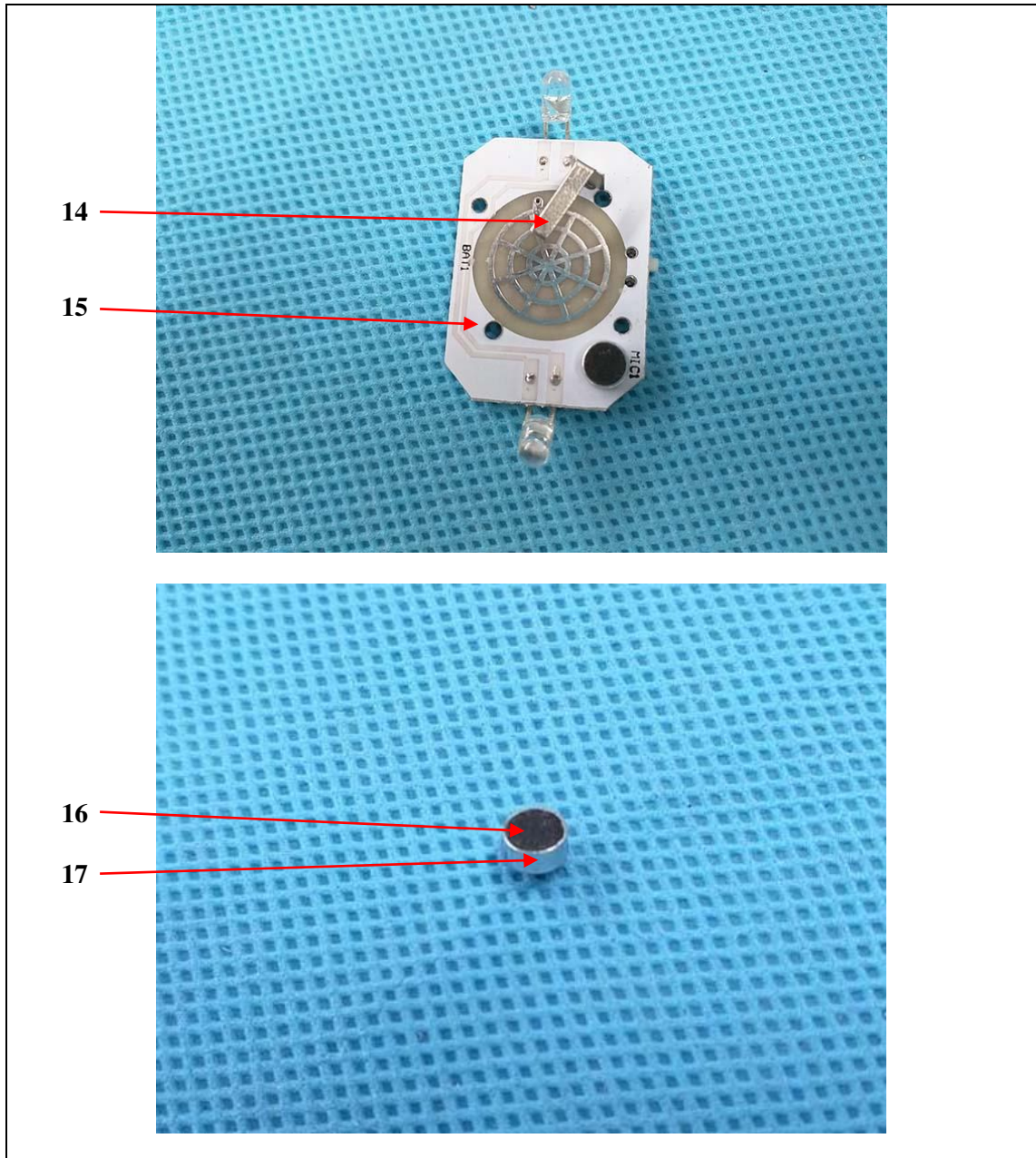
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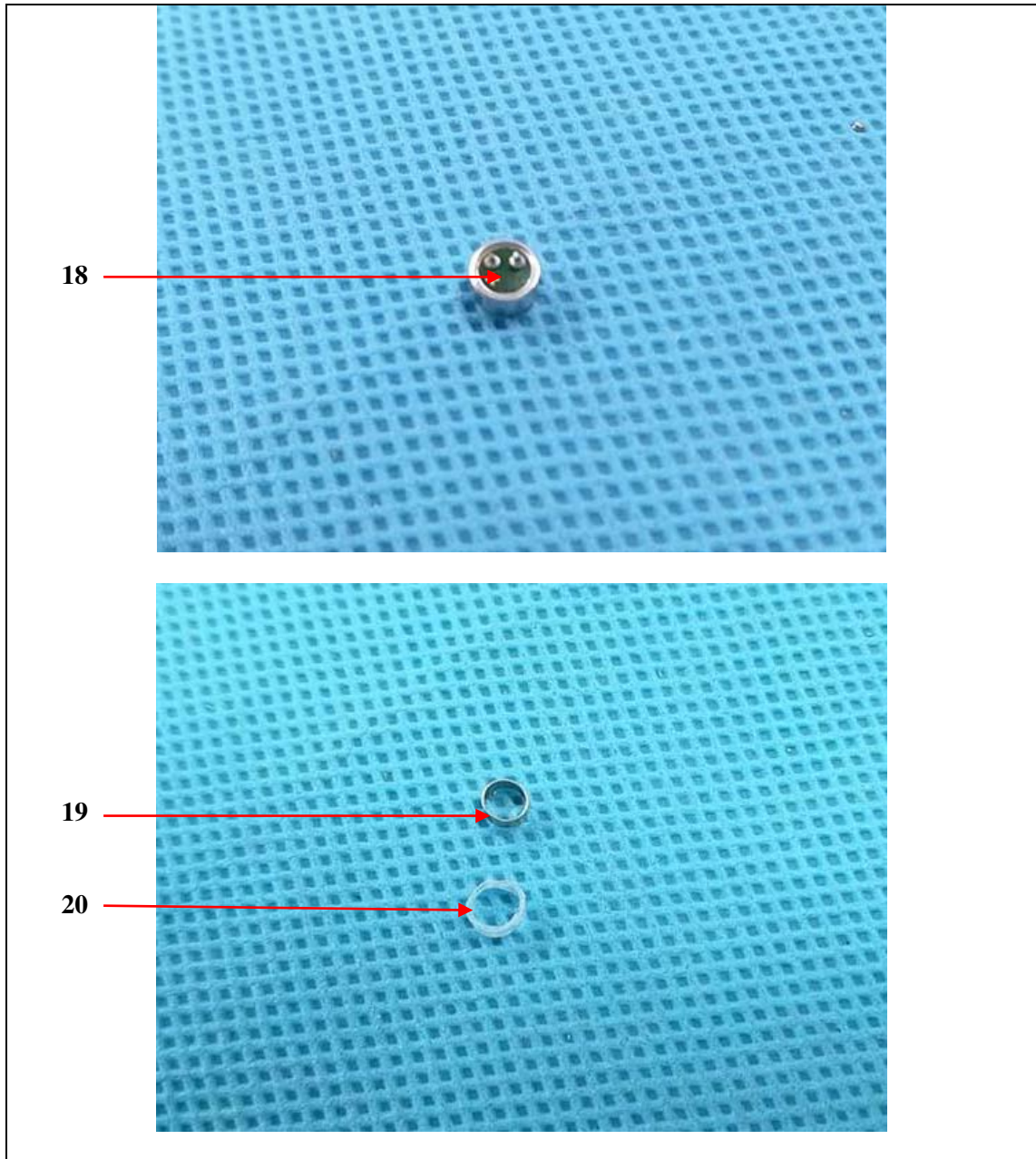
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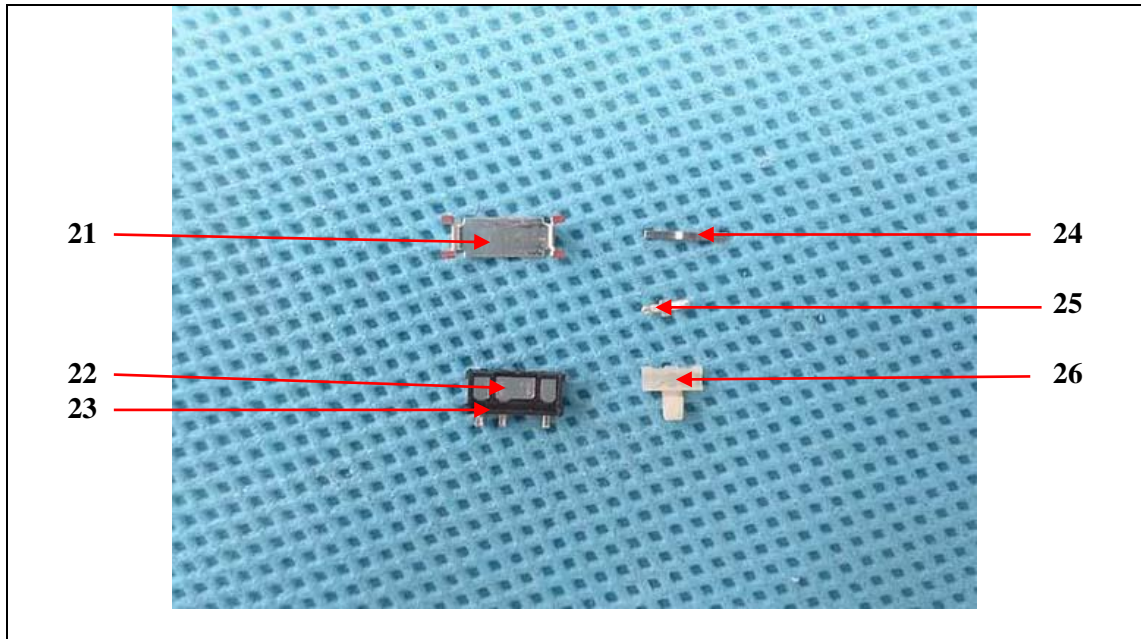
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***** End of Test Report *****

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2. Any report issued by the Company as a result of this application for testing service (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to his customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. The Report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.
5. In the event of the improper use the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. Sample submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
7. The Company will not be liable for or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
9. Subject to the variable length of retention time for test data and report stored hereinto as to otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of this test report for a period of three years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after the retention period. Under no circumstances shall we be liable for damages of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.
10. Issuance records of the Report are available on the internet at www.dgstc.org. Further enquiry of validity or verification of the Reports should be addressed to the Company.