



# Infrared Thermometer



- IR Temperature: 32°C – 42°C / 89°F – 108°F
- Accuracy +/- 0.4°C
- Resolution 0.1°C
- Spectral Response 8-14 um
- Measurement Distance 5-15 cm
- Ambient Operating 15°C-35°C
- Response Time approx 1s
- Relative Humidity 10%-90%
- LBD – Low Battery Display
- Power Supply 2 x 1.5AAA Battery
- Product Size 148mm x 95mm x 50mm
- Certificates CE, ROHS, ETL, FCC



CODE	DESCRIPTION	PACKAGE
TERINFR	Infrared Thermometer	40 pcs/pack

## DIRECTIVE

European Union's Directive 2011/65/EU and EU 2015/863

## STANDARDS

**EN61326-1:2013** Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 1: General requirements (Endorsed by AENOR in March of 2013.)

**EN61326-2-3:2013** Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 2-3: Particular requirements - Test configuration, operational conditions and performance criteria for transducers with integrated or remote signal conditioning (Endorsed by AENOR in March of 2013.)



# MASTECH® CALIBRATION CERTIFICATE

This certificate guarantees that the product has been inspected and tested in accordance with the published specifications.

The product has been calibrated using equipment which has itself been already calibrated to standards traceable to international standards.



Customer Support – Americas Region  
[cs.na@mgl-intl.com](mailto:cs.na@mgl-intl.com)

Customer Support – APAC Region  
[cs.apac@mgl-intl.com](mailto:cs.apac@mgl-intl.com)

Customer Support – EMEA Region  
[cs.emea@mgl-intl.com](mailto:cs.emea@mgl-intl.com)



Incorporated with MGL



**ASUNTO:** Termómetro para medición de temperatura corporal MS 6592P-MS6591P-MS6590P

Nuestros termómetros están sometidos a las pruebas y comprobaciones por MGL Euman SL. en nuestra instalaciones en :

Asturias,(España)

Con lo que así MGL se asegura de que su producto cumple normativa vigente bajo los estándares de calidad pertinentes.



Firma y sello MGL EUMAN

Firma y sello



## DECLARACIÓN DE CONFORMIDAD CE

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La familia de termómetros infrarrojos digitales:

**MS6590P, MS6591P, MS6592P, MS6595P**

cumple la Directiva Europea 2014/30/EU aprobada por el Parlamento Europeo el 29 de Marzo de 2014, armonizando las leyes de los Estados Miembros relativas a compatibilidad electromagnética de equipos eléctricos y electrónicos.

El cumplimiento de esta Directiva Europea ha sido ratificado por el cumplimiento de las siguientes normativas europeas:

**Normativas EN61326-1:2013 + EN61326-2-2:2013: Material eléctrico para medida, control y uso en laboratorio. Requisitos de compatibilidad electromagnética (CEM).**

26 de Marzo de 2020.



Jefe de Producto



STC (Dongguan) Company Limited

## SUPPLIER'S DECLARATION OF CONFORMITY

**SDoC Reference Number:** FCC200357

MGL Global Solutions Limited  
72 Puxing East Road, Qingxi, Dongguan, Guangdong, 523649, China

We declare the product

Description:	Infrared Thermometer
Brand Name:	MASTECH
Additional Brand Name:	/
Model: (basic)	MS6591P
(additional)	MS6592P

complies with the requirements of the relevant FCC regulations:

**47 CFR Section 2.906**

**47 CFR Part 15 Subpart B (Unintentional Radiators)**

**Applicable Standard(s) with amendments:**

ANSI C63.4-2014

General Remarks:

This declaration is only valid when used in conjunction with the technical file(s) refers to DM20030189.

This declaration applies specifically to the sample(s) investigated in the technical report mentioned above and not to the bulk.

The FCC logo as shown below can be used on a voluntary basis, under the responsibility of the manufacturer.

**Manufacturer/Importer**



**Test Laboratory**

\_\_\_\_\_  
**Signature**

LONG Yun Jian, Along  
Authorized Signatory

www.stc.group

**Date of Issue:** 2020-04-03



**STC (Dongguan) Company Limited**  
**EC VERIFICATION OF COMPLIANCE**

**Reference Number:** EMC-D205458VOC

**Applicant:** MGL Global Solutions Limited  
72 Puxing East Road, Qingxi, Dongguan, Guangdong, 523649, China

**Description:** Infrared Thermometer  
**Brand Name:** MASTECH  
**Model:** (basic) MS6591P  
(additional) MS6592P

We verify that the mentioned product complies with the requirements of the  
**EC Electromagnetic Compatibility Directive 2014/30/EU**

**Applicable Standard(s) with amendments:**

EN 61326-1:2013  
EN 61326-2-3:2013

**General Remarks:**

This verification confirmation is only valid when used in conjunction with the technical file(s) refers to DM20030127.  
This document applies specifically to the sample(s) investigated in the technical report mentioned above, and not to the bulk.  
The CE marking as shown below can be affixed on the product after preparation of necessary conformity documentation, as stipulated in articles of above Directive(s).



**Test Laboratory**

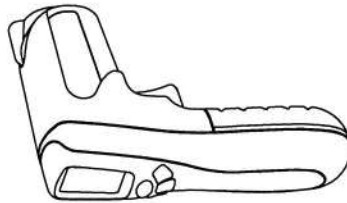


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**Date of Issue:** 2020-03-27

# MASTECH

MS6592P  
TERMÓMETRO INFRAROJOS

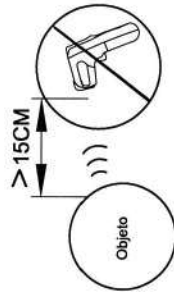


## MASTECH

### DESCRIPCIÓN

Este equipo, utilizando el principio de radiación infrarroja, puede realizar mediciones de temperatura rápidas y precisas, seleccionando rápidamente la temperatura más adecuada en grandes objetivos.

- Rango: 320°C - 42°C
- Selección de °C ó °F



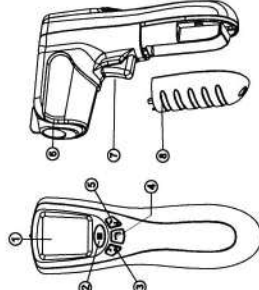
### Advertencia

- Por favor, lee detenidamente la siguiente información antes de utilizar el termómetro.
- El rango de medición de temperatura sólo como referencia.
- Distancia de medición: 5-15 cm.

01

## MASTECH

### COMPONENTES

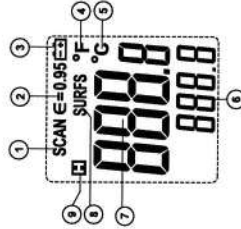


- ① Pantalla
- ② Tecla de función
- ③ Tecla retroiluminación
- ④ Tecla cambio de medición
- ⑤ Tecla °C/°F
- ⑥ Sensor
- ⑦ Gatillo
- ⑧ Tapa de las pilas

02

## MASTECH

### PANTALLA

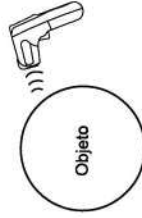


- ① Escaneo del estado
- ② Emisividad
- ③ Batería baja
- ④ °F
- ⑤ °C
- ⑥ Pantalla secundaria
- ⑦ Pantalla principal
- ⑧ Modo de medición
- ⑨ Estado de retención

03

## MASTECH

### FUNCIONAMIENTO DEL TERMÓMETRO



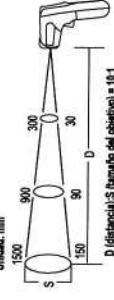
- Para medir temperatura abraza a una distancia de medición de 5-15 cm, presione el gatillo para iniciar la medición. Aprox. 1 segundo después el termómetro mostrará la temperatura.
- El tiempo de respuesta será más largo cuando no se produce ninguna actividad durante 10 segundos.
- Para encender o apagar la retroiluminación realice una pulsación larga en la tecla para entrar en la función de ajuste de temperatura.
- Una pulsación larga en la tecla alternará entre °C y °F.
- Presione la tecla para cambiar de modo de medición.

04

## MASTECH

### RELACIÓN D:3

Unidad: mm

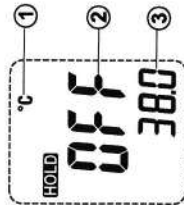


Atención que el objeto medido es más grande que el tamaño del punto visible del termómetro. Cuanto más grande sea el objeto medido, más cerca se deberá colocar. La relación entre distancia y tamaño del objetivo es de 10:1.

05

### MASTECH®

#### FUNCIÓN DE ALARMA

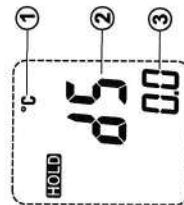


Esta función no es operativa en este modelo.

06

### MASTECH®

#### AJUSTE DE TEMPERATURA



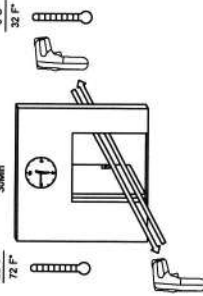
- ① Unidad
- ② Estado del ajuste de temperatura
- ③ Valor de temperatura

- Presione la tecla  para fijar el ajuste de temperatura.
- Presione la tecla  para incrementar el valor de temperatura.
- Presione la tecla  para reducir el valor de temperatura.
- Presione la tecla  para guardar el valor y salir de la función de ajuste de temperatura.

07

### MASTECH®

#### 30Min



Nota 1:

Cuando la temperatura ambiente cambia rápidamente, debe esperar un tiempo para estabilizar la temperatura del instrumento antes de su uso.

08

### MASTECH®

#### Nota 2:

Cuando la lectura de las pilas es baja, el símbolo de la batería aparecerá en la pantalla. Esto indica que las pilas deben ser sustituidas.



**ADVERTENCIA**  
No mezcle pilas nuevas y usadas. No mezcle pilas alcalinas, estandar (carbon-zinc) o recargables (Ni-Cad, Ni-Mh, etc.).

09

### MASTECH®

#### ESPECIFICACIONES

Rango de temperatura	0°C-100°C (32°F-212°F) - superficie 32°C-42°C (90°F-108°F) - cuerpo humano
Exactitud	0°C-100°C ±(1.5% lect.+2°C) - superficie 32°F-212°F ±(1.5% lect.+3°F) - superficie 32°C-42°C (90.4°F) - cuerpo humano
Resolución óptica	10:1
Respuesta espectral	8-14 um
Repetitividad	0.2°C
Tiempo de respuesta	Aprox.1s
Exactitud	0.95
Rango de temperatura de operación	0°C-40°C 32°C-104°C - cuerpo humano
Humedad relativa	10%-90%
Dimensiones	143x69x47mm
Peso	150g
Alimentación	2x1.5V AAA
Normas	RoHS

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### MASTECH®



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中国认可  
国际互认  
检测  
TESTING  
CNAS L3428

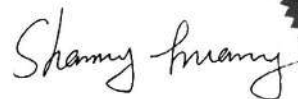
## Test Report

Date : 2020-03-30  
No. : DM20030131R1

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- Applicant** : MGL Global Solutions Limited  
72 Puxing East Road, Qingxi, Dongguan, Guangdong, 523649,  
China
- Description of Samples** : One item of submitted sample(s) said to be :  
Item name: Infrared Thermometer (see the attached photo)  
Style/Item No.:MS6590P, MS6591P, MS6592P, MS6595P,  
MS6596P, MS6561, MS6522A, MS6522A, MS6522B,  
MS6522C, MS6530T, MS6541, MS6531A, MS6531B,  
MS6531C, MS6541  
Supplier: MGL Global Solutions (China) Company Limited
- Date Samples Received** : 2020-03-19
- Date Tested** : 2020-03-19 to 2020-03-25
- Investigation Requested** : European Union's Directive 2011/65/EU and (EU) 2015/863:  
Restrictive use of certain hazardous substance(ROHS)  
- Heavy metals contents  
- Phthalates content  
- Polybrominated biphenyls (PBBs) and Polybrominated  
diphenylethers (PBDEs) contents
- Conclusion(s)** : European Union's Directive 2011/65/EU and (EU) 2015/863  
The partial submitted sample(s) **complied** with the test requirement.

Remark: This test report DM20030131R1 supersedes our previous test report DM20030131 issued on 2020-03-27 which is hereby deemed null and



HUANG Qi-yin, Shanny  
Authorized Signatory





## Test Report

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### Test Results:

**1. Restrictive use of certain hazardous substances (RoHS) \*<sup>3</sup>**

1.1 Ref.: European Union's Directive 2011/65/EU and (EU)2015 /863  
 Method: IEC 62321-1: 2013  
 Determined by : High Definition X-Ray Fluorescence

No	Parts description	Pb	Cd	Cr	Hg	Br	Conclusion
1	Thermometer : white plastic with black/red printing	NEG	NEG	NEG	NEG	NEG	Fulfilled
2	Key : grey/yellow/black soft plastic with black/white printing	NEG	NEG	NEG	NEG	NEG	Fulfilled
3	Film of Screen : transparent soft plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
4	Screen : transparent plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
5	Inside of screen : grey/black soft plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
6	Inside of screen : silver soft plastic with adhesive	NEG	NEG	NEG	NEG	NEG	Fulfilled
7	Inside of screen : white soft plastic with adhesive	NEG	NEG	NEG	NEG	NEG	Fulfilled
8	Film of screen frame : silver soft plastic with adhesive	NEG	NEG	NEG	NEG	NEG	Fulfilled
9	Screen frame : transparent plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
10	Inside of button : beige plastic	NEG	NEG	NEG	NEG	* <sup>1</sup>	Fulfilled
11	Cover/steady of sensor : grey black plastic	NEG	NEG	NEG	NEG	* <sup>1</sup>	Fulfilled
12	Inside of sensor : transparent white soft plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
16	Wire : yellow soft plastic with black printing	NEG	NEG	NEG	NEG	NEG	Fulfilled
17	Wire : orange red soft plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
18	LED : yellow plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
19	Base of LED : grey plastic with white coating	NEG	NEG	NEG	NEG	* <sup>1</sup>	Fulfilled
21	BUZ of PCB : black plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
22	SCAN of PCB : black plastic	NEG	NEG	NEG	NEG	165	Fulfilled
23	J3 of PCB : white plastic	NEG	NEG	NEG	NEG	NEG	Fulfilled
24	PCB : transparent white plastic	NEG	NEG	NEG	NEG	* <sup>1</sup>	Fulfilled
25	Connect of Rivet : dark red paper	NEG	NEG	NEG	NEG	NEG	Fulfilled
26	Screw/Small screw : silver metal with black coating	NEG	NEG	418	NEG	NA	Fulfilled
27	Cover of Screw : copper metal	*	NEG	NEG	NEG	NA	Fulfilled
28	Screw : silver metal	NEG	NEG	184	NEG	NA	Fulfilled
29	Rivet : silver metal	NEG	NEG	NEG	NEG	NA	Fulfilled
30	Inside of screen : transparent black glass	NEG	NEG	NEG	NEG	NA	Fulfilled

STC (Dongguan) Company Limited

68 Fumin Nan Road, Dalang, Dongguan, China. (Zip Code: 523770)

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No	Parts description	Pb	Cd	Cr	Hg	Br	Conclusion
31	Cover of sensor : silver metal with black coating	NEG	NEG	361	NEG	NA	Fulfilled
32	Sensor : silver/copper metal	NEG	NEG	NEG	NEG	NA	Fulfilled
33	Wire : silver metal	NEG	NEG	NEG	NEG	NA	Fulfilled
34	Magnet of BUZ : black ceramic	NEG	NEG	NEG	NEG	NA	Fulfilled
35	Inside of BUZ : copper metal	NEG	NEG	NEG	NEG	NA	Fulfilled
36	Base of BUZ/Circle : silver metal	NEG	NEG	350	NEG	NA	Fulfilled
37	Square of SCAN : silver metal	NEG	NEG	NEG	NEG	NA	Fulfilled
38	Circle of SCAN : silver metal	NEG	NEG	*	NEG	NA	Fulfilled
39	R12 : silver metal with multicolor printing	NEG	NEG	*	NEG	NA	Fulfilled
40	Resistance : black ceramic	*	NEG	*	NEG	NA	Fulfilled
41	Capacitance : brown ceramic	171	NEG	NEG	NEG	NA	Fulfilled
42	U4 : black ceramic	371	NEG	NEG	NEG	NA	Fulfilled
43	Film of small PCB : copper metal	119	NEG	NEG	NEG	NA	Fulfilled
44	IC : black ceramic	NEG	NEG	NEG	NEG	NA	Fulfilled
45	Q1/Q2 : black ceramic	*	NEG	NEG	NEG	NA	Fulfilled
46	C5/C6 : light yellow/dark red ceramic	174	NEG	513	NEG	NA	Fulfilled
47	Solder : silver metal	* <sup>2</sup>	NEG	NEG	NEG	NA	Fulfilled
48	PCB : green/white coating	NEG	NEG	NEG	NEG	* <sup>1</sup>	Fulfilled

Remark 1	In reference to European Unions Directive 2002/95/EC and 2010/65/EU limit for Cadmium is 100ppm, each limit for lead, Mercury, Hexavalent Chromium, Polybrominated biphenyls (PBBs) and Polybrominated diphenyl ethers (PBDEs) is 1000ppm
Remark 2	NEG-stands for below screening limit(Detectable Limit for chromium less than 15ppm for Mercury less than 4ppm, for others less than 5ppm) N.A.-stands for not applicable Result(s) report in ppm.
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.
* =	Please see section 1.2 of this report for details.
* <sup>1</sup> =	Please see section 1.4 of this report for details.
* <sup>2</sup> =	According to the declaration from client, the source of lead in specimen could be from the high melting temperature type solder, while lead in high melting temperature type solders is exempted by RoHS regulatory (2011/65/EC).

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\*3= As requested by the applicant, Restrictive use of certain hazardous substances (RoHS) test was conducted only on components listed in this report. Other components were not tested.

### 1.2 Heavy metals contents

Ref.: European Union's Directive 2011/65/EU and (EU)2015 /863.

Method: IEC 62321-4: 2013+A1:2017& IEC 62321-5:2013 and IEC 62321-7-2:2017

Determined by: 1.Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer  
for Lead, Mercury, Cadmium, Chromium

2.UV/Vis spectrometry for Hexavalent chromium

Parameters	Result (%)			MDL (%)	Permitted Level (%)
	(27)	(38)	(39)		
Lead	1.96* <sup>4</sup>	--	--	0.0005	0.1
Mercury	--	--	--	0.0002	0.1
Cadmium	--	--	--	0.0005	0.01
Hexavalent Chromium	--	ND	ND	0.0005	0.1

Parameters	Result (%)		MDL (%)	Permitted Level (%)
	(40)	(45)		
Lead	5.97* <sup>5</sup>	1.52* <sup>5</sup>	0.0005	0.1
Mercury	--	--	0.0002	0.1
Cadmium	--	--	0.0005	0.01
Hexavalent Chromium	ND	--	0.0005	0.1

- Note(s):
- (1) ND = Not detected (Below MDL)
  - (2) MDL =Method Detection limit
  - (3) % = percentage by weight
  - (4) \*<sup>4</sup>=The source of lead in sample could be from alloying element,while lead in steel containing up to 0.35% by weight;lead in aluminium containing up to 0.4% by weight;lead in copper alloy up to 4% by weight,which are exempted by ROHS Directive (2011/65/EC).
  - (5) \*<sup>5</sup>= The source of lead in sample could be from ceramic parts or glass parts,while lead in electronic parts and glass in cathode ray tubes,electronic components and fluorescent tubes are exempted by ROHS Directive(2011/65/EC).

### 1.3 Phthalates content\*<sup>6</sup>

Ref.: European Union's Directive 2011/65/EU and (EU)2015/863.

Method: IEC 62321-8:2017

Determined by: Gas Chromatography Mass spectrometer

Parameters	Result(%)			MDL (%)	Permitted Level(%)
	(1)	(2)	(3+8+12)		
Bis(2-ethylhexyl)phthalate(DEHP)	ND	ND	ND	0.01	0.1
Butyl benzyl phthalate(BBP)	ND	ND	ND	0.01	0.1

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Parameters	Result(%)			MDL (%)	Permitted Level(%)
	(1)	(2)	(3+8+12)		
Dibutyl phthalate(DBP)	ND	ND	ND	0.01	0.1
Diisobutyl phthalate(DIBP)	ND	ND	ND	0.01	0.1

Parameters	Result(%)			MDL (%)	Permitted Level(%)
	(4+10+11)	(5+6+7)	(16+17)		
Bis(2-ethylhexyl)phthalate(DEHP)	ND	ND	ND	0.01	0.1
Butyl benzyl phthalate(BBP)	ND	ND	ND	0.01	0.1
Dibutyl phthalate(DBP)	ND	ND	ND	0.01	0.1
Diisobutyl phthalate(DIBP)	ND	ND	ND	0.01	0.1

Parameters	Result(%)		MDL (%)	Permitted Level(%)
	(24)	(48)		
Bis(2-ethylhexyl)phthalate(DEHP)	ND	ND	0.01	0.1
Butyl benzyl phthalate(BBP)	ND	ND	0.01	0.1
Dibutyl phthalate(DBP)	ND	ND	0.01	0.1
Diisobutyl phthalate(DIBP)	ND	ND	0.01	0.1

Note(s): (1) ND = Not detected (Below MDL)  
 (2) MDL =Method Detection limit  
 (3) % = percentage by weight  
 (4) \*6=As requested by the applicant, Phthalates content test was conducted only on components listed in this report. Other components were not tested.

1.4 Polybrominated biphenyls (PBBs) and Polybrominated diphenyl ethers (PBDEs) contents

Ref.: European Union's Directive 2011/65/EU and (EU)2015/863.

Method: IEC 62321-6:2015

Determined by: Gas Chromatography Mass spectrometer

Parameters	Result(%)			MDL(%)	Permitted Level(%)
	(10)	(11)	(19)		
Monobromobiphenyl	ND	ND	ND	0.003	--
Dibromobiphenyl	ND	ND	ND	0.003	--
Tribromobiphenyl	ND	ND	ND	0.003	--
Tetrabromobiphenyl	ND	ND	ND	0.003	--
Pentabromobiphenyl	ND	ND	ND	0.003	--
Hexabromobiphenyl	ND	ND	ND	0.003	--
Heptabromobiphenyl	ND	ND	ND	0.003	--
Octabromobiphenyl	ND	ND	ND	0.003	--
Nonabromobiphenyl	ND	ND	ND	0.003	--
Decabromobiphenyl	ND	ND	ND	0.003	--
<b>Sum of PBBs</b>	ND	ND	ND	0.003	0.1
Monobromodiphenyl ether	ND	ND	ND	0.003	--
Dibromodiphenyl ether	ND	ND	ND	0.003	--

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Parameters	Result(%)			MDL(%)	Permitted Level(%)
	(10)	(11)	(19)		
Tribromodiphenyl ether	ND	ND	ND	0.003	--
Tetrabromodiphenyl ether	ND	ND	ND	0.003	--
Pentabromodiphenyl ether	ND	ND	ND	0.003	--
Hexabromodiphenyl ether	ND	ND	ND	0.003	--
Heptabromodiphenyl ether	ND	ND	ND	0.003	--
Octabromodiphenyl ether	ND	ND	ND	0.003	--
Nonabromodiphenyl ether	ND	ND	ND	0.003	--
Decabromodiphenyl ether	ND	ND	ND	0.003	--
<b>Sum of PBDEs</b>	ND	ND	ND	0.003	0.1

Parameters	Result(%)		MDL(%)	Permitted Level(%)
	(24)	(48)		
Monobromobiphenyl	ND	ND	0.003	--
Dibromobiphenyl	ND	ND	0.003	--
Tribromobiphenyl	ND	ND	0.003	--
Tetrabromobiphenyl	ND	ND	0.003	--
Pentabromobiphenyl	ND	ND	0.003	--
Hexabromobiphenyl	ND	ND	0.003	--
Heptabromobiphenyl	ND	ND	0.003	--
Octabromobiphenyl	ND	ND	0.003	--
Nonabromobiphenyl	ND	ND	0.003	--
Decabromobiphenyl	ND	ND	0.003	--
<b>Sum of PBBs</b>	ND	ND	0.003	0.1
Monobromodiphenyl ether	ND	ND	0.003	--
Dibromodiphenyl ether	ND	ND	0.003	--
Tribromodiphenyl ether	ND	ND	0.003	--
Tetrabromodiphenyl ether	ND	ND	0.003	--
Pentabromodiphenyl ether	ND	ND	0.003	--
Hexabromodiphenyl ether	ND	ND	0.003	--
Heptabromodiphenyl ether	ND	ND	0.003	--
Octabromodiphenyl ether	ND	ND	0.003	--
Nonabromodiphenyl ether	ND	ND	0.003	--
Decabromodiphenyl ether	ND	ND	0.003	--
<b>Sum of PBDEs</b>	ND	ND	0.003	0.1

Note(s): (1) ND = Not detected (Below MDL)  
(2) MDL =Method Detection limit  
(3) % = percentage by weight

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

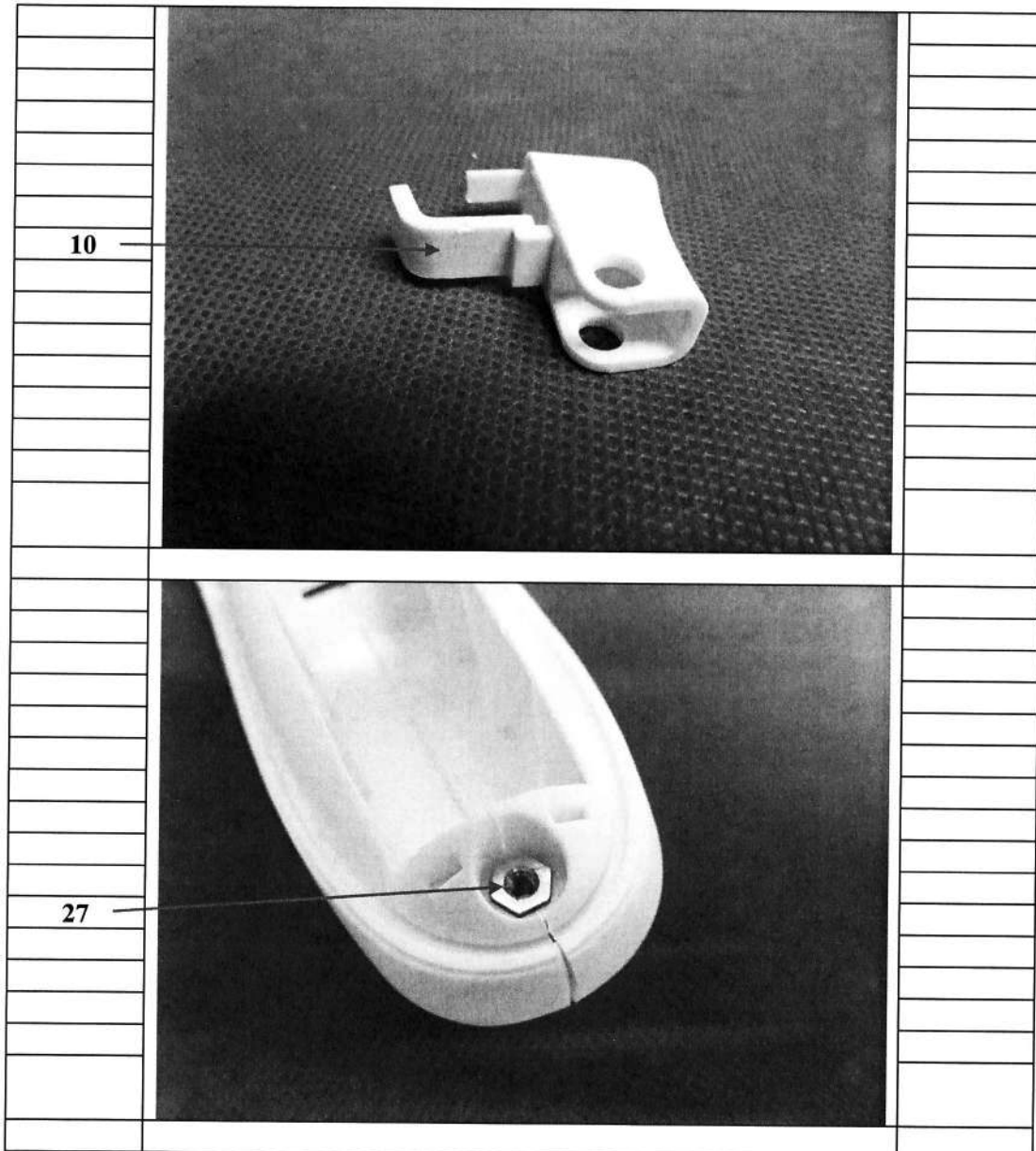


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### Product photographs



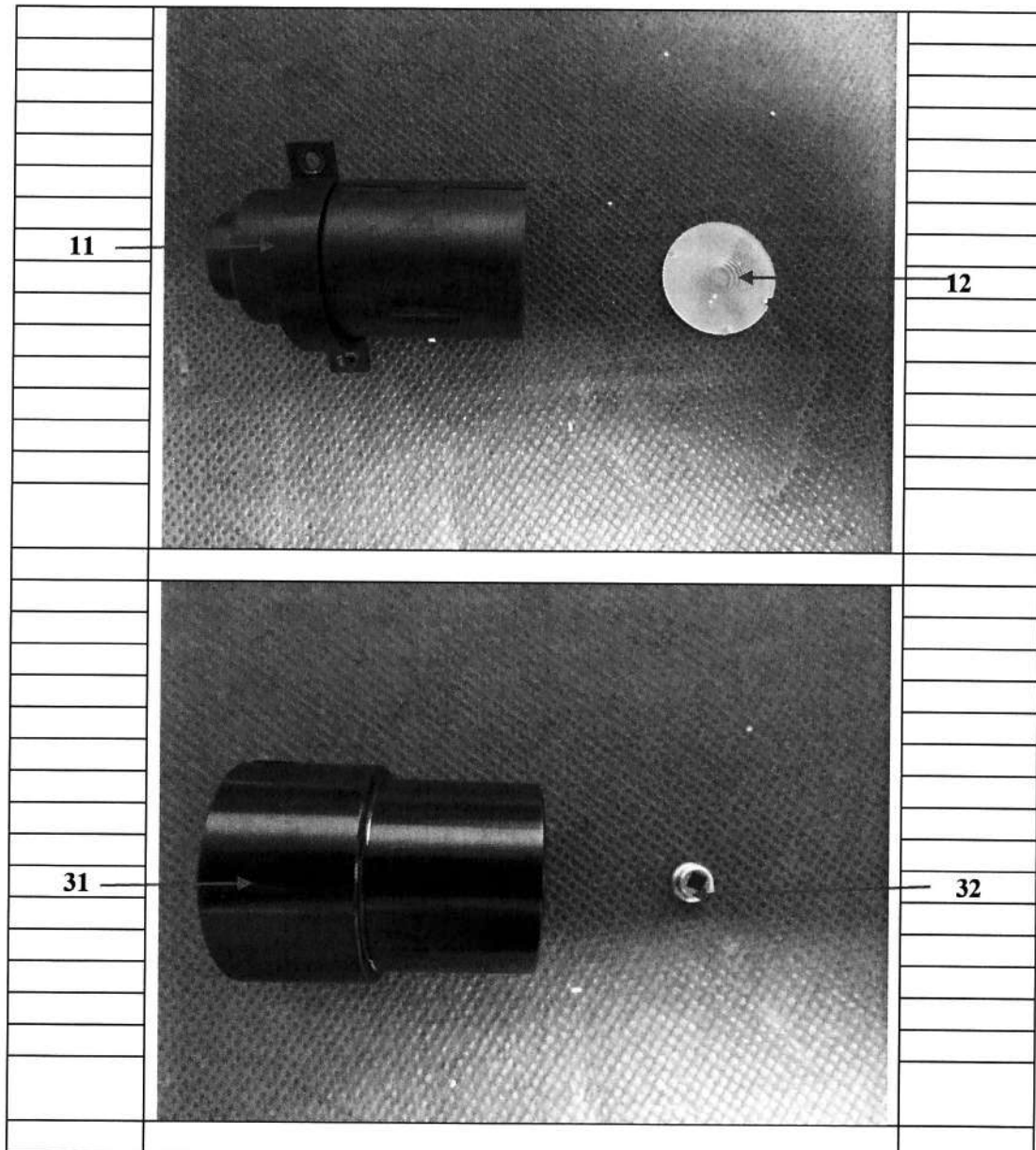


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### Product photographs



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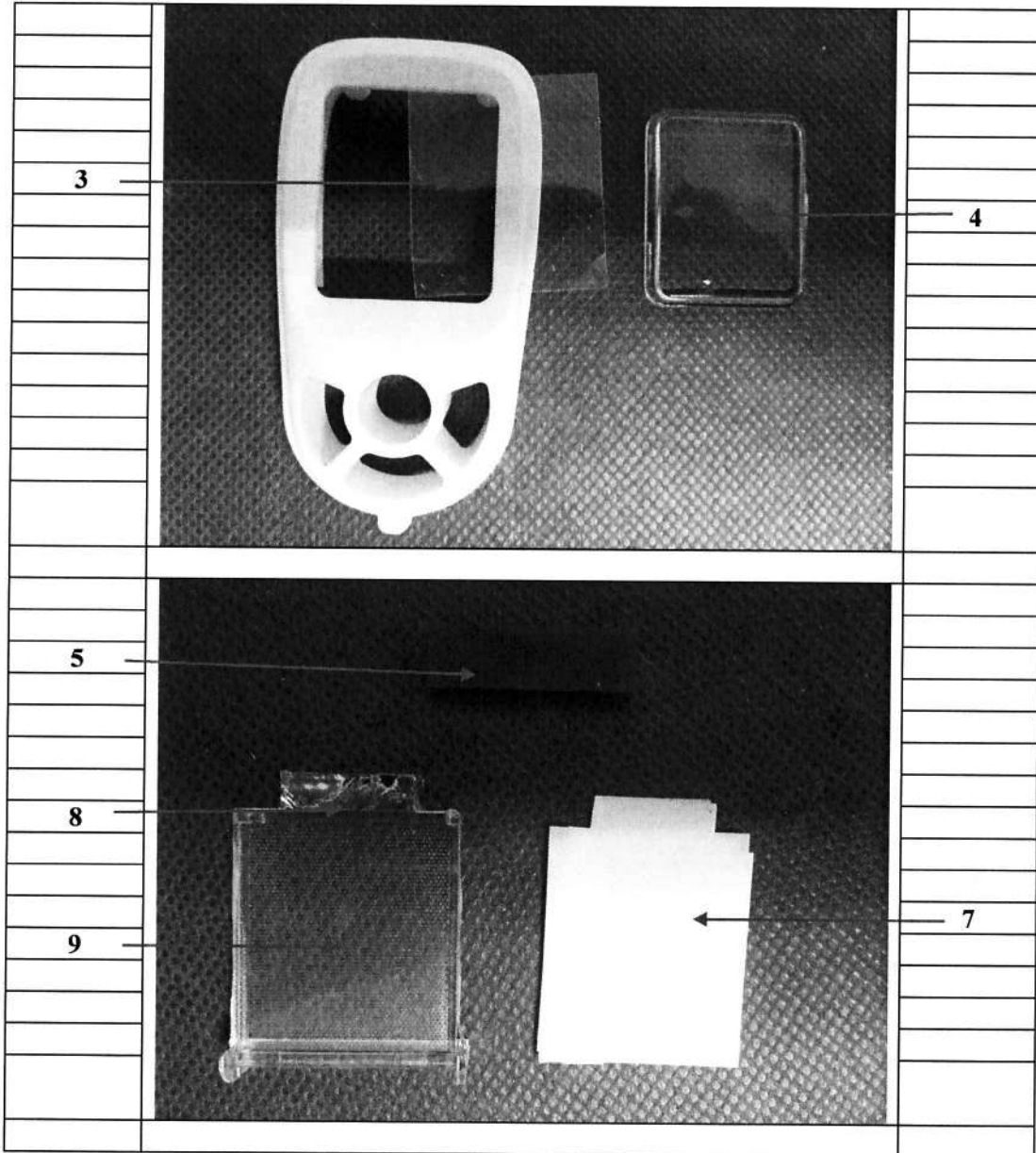
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### Product photographs

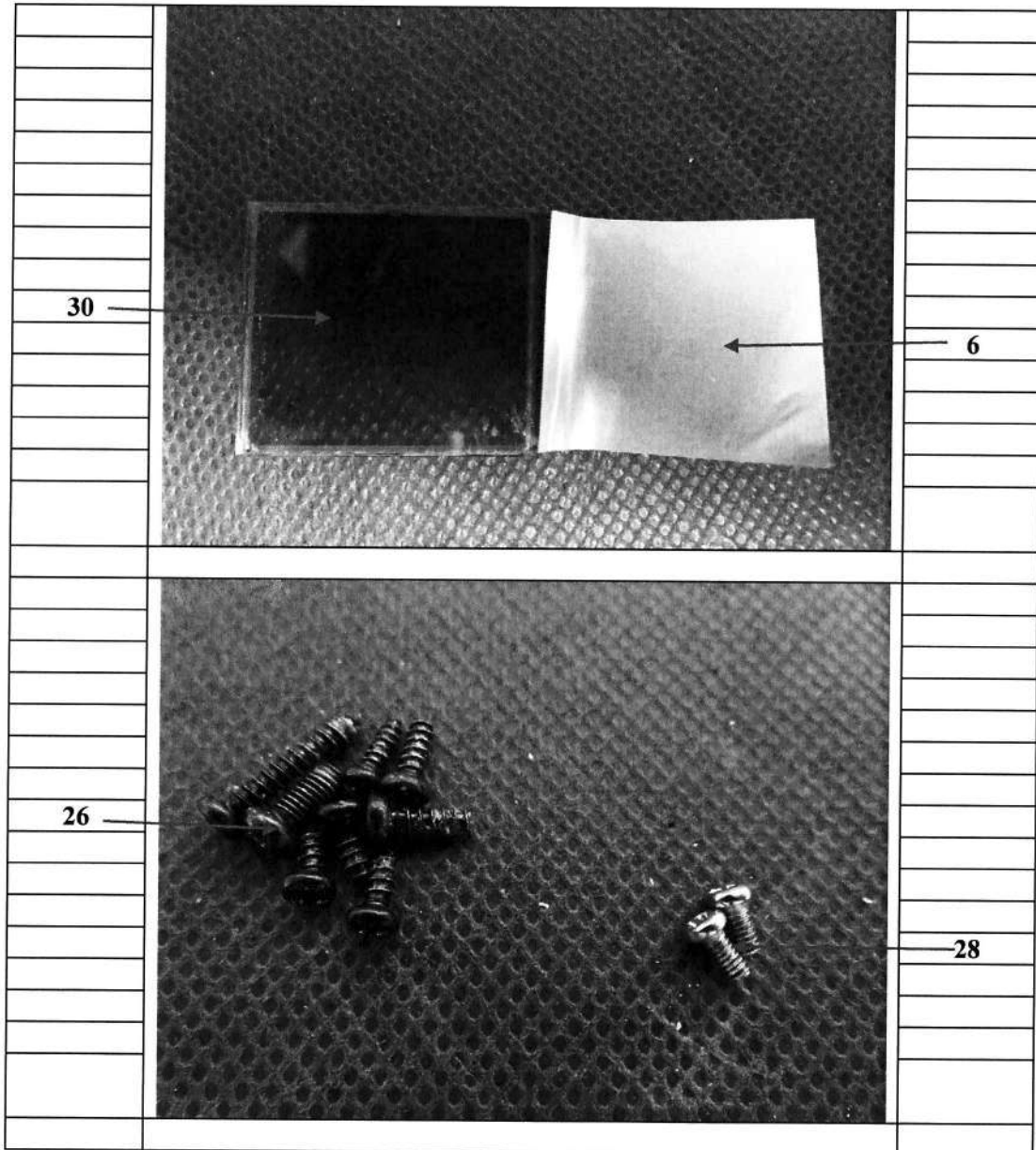


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### Product photographs

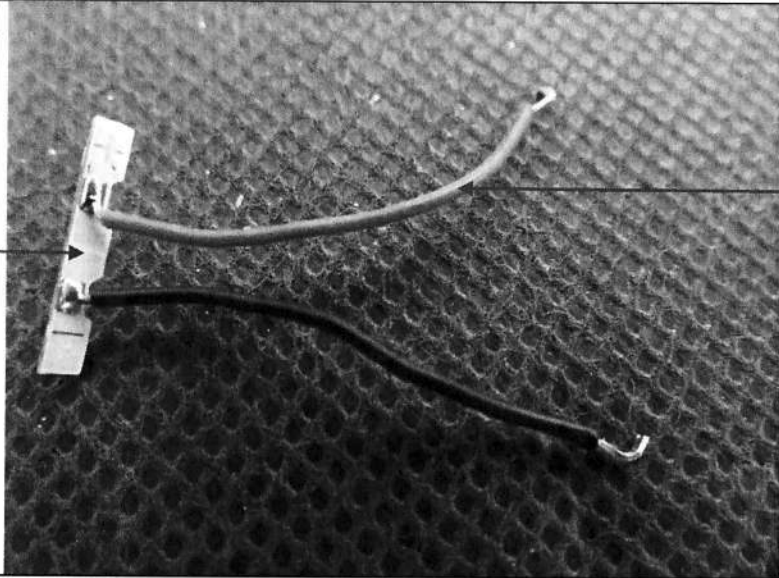
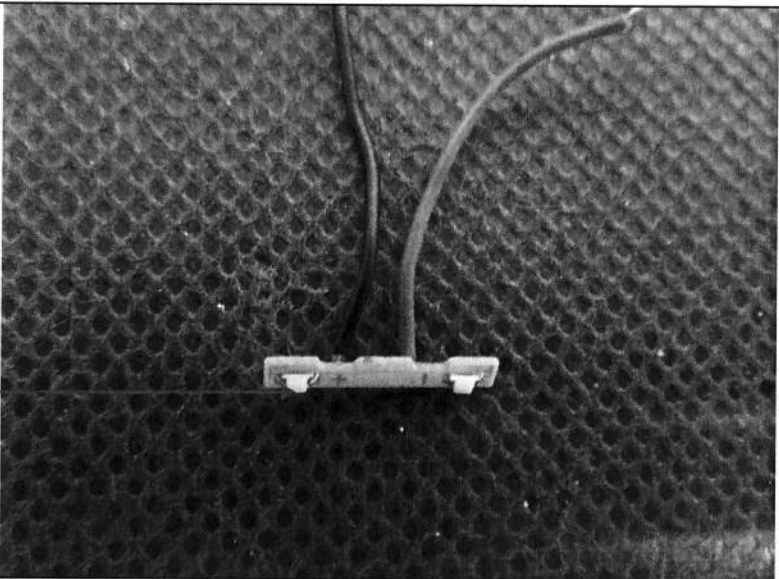


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### Product photographs

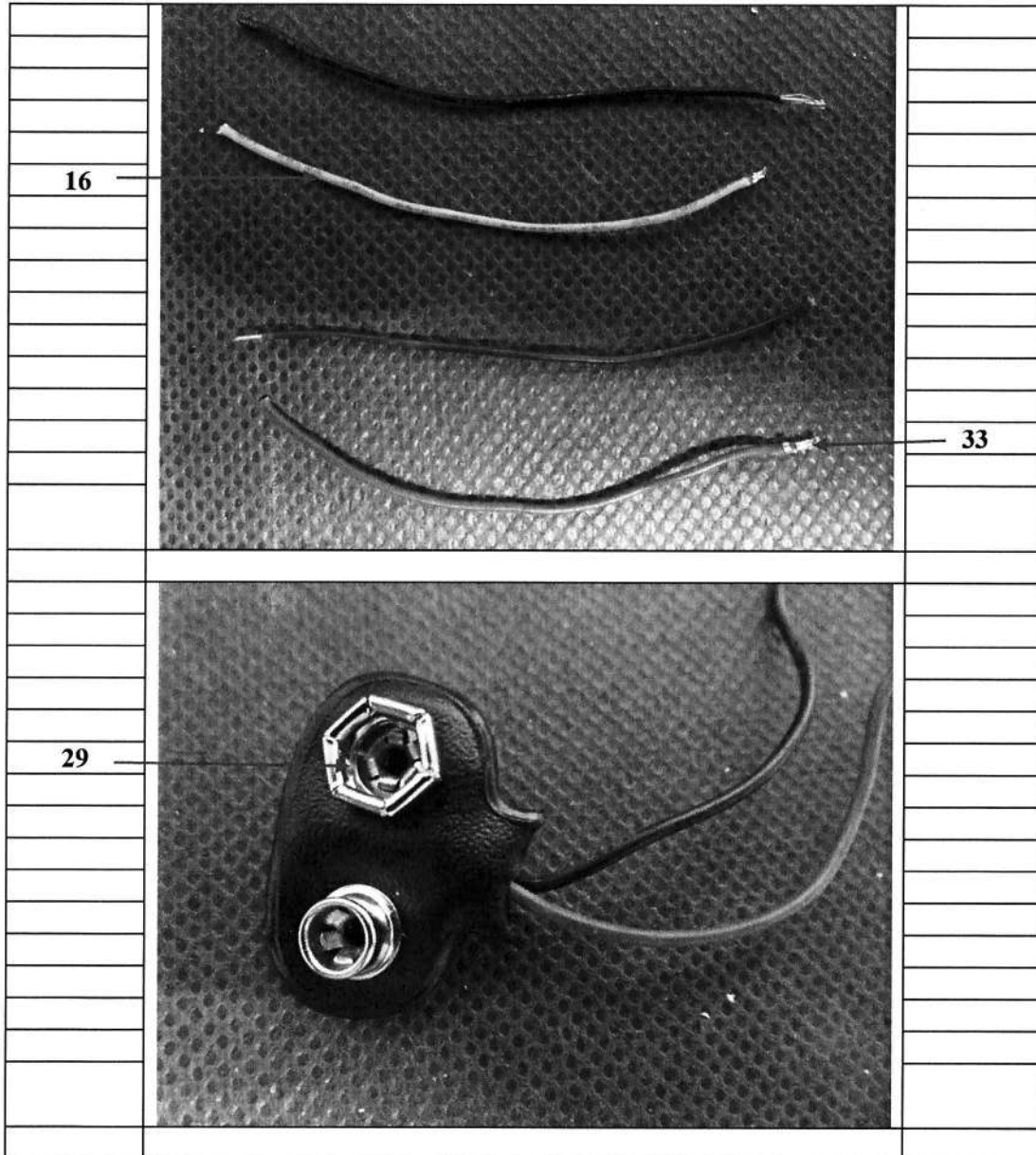
		17
19		
18		

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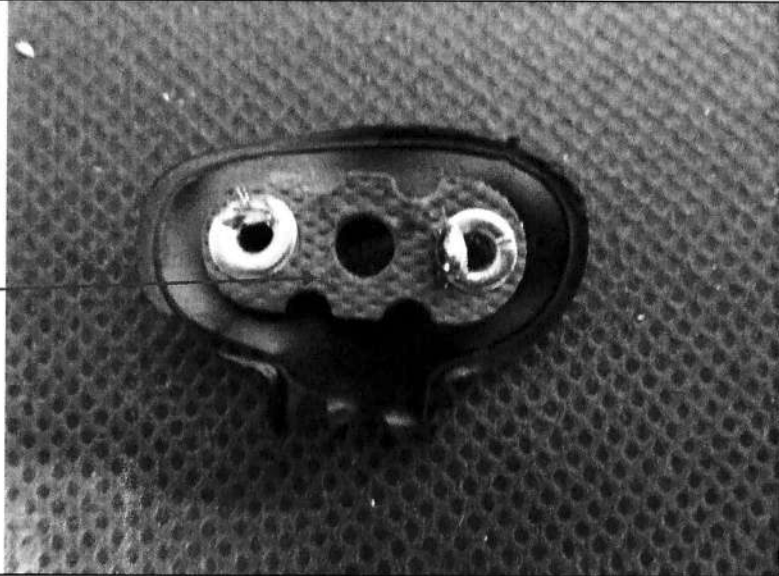
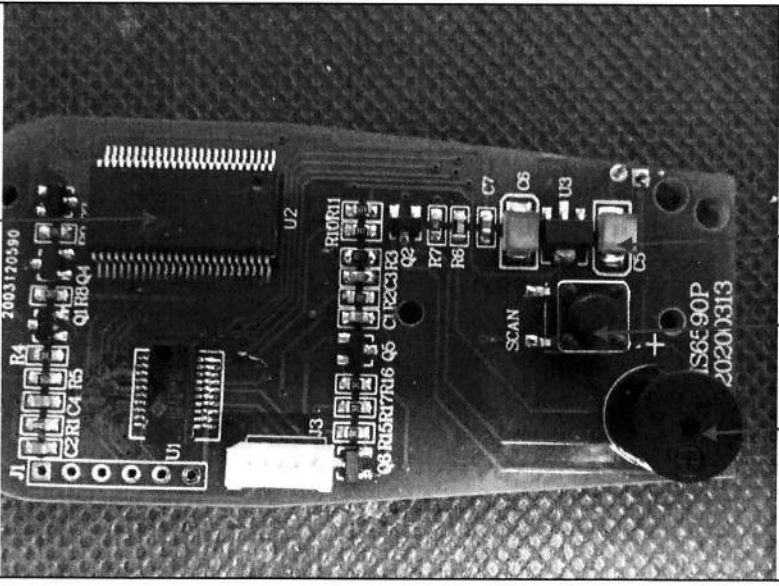


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### Product photographs

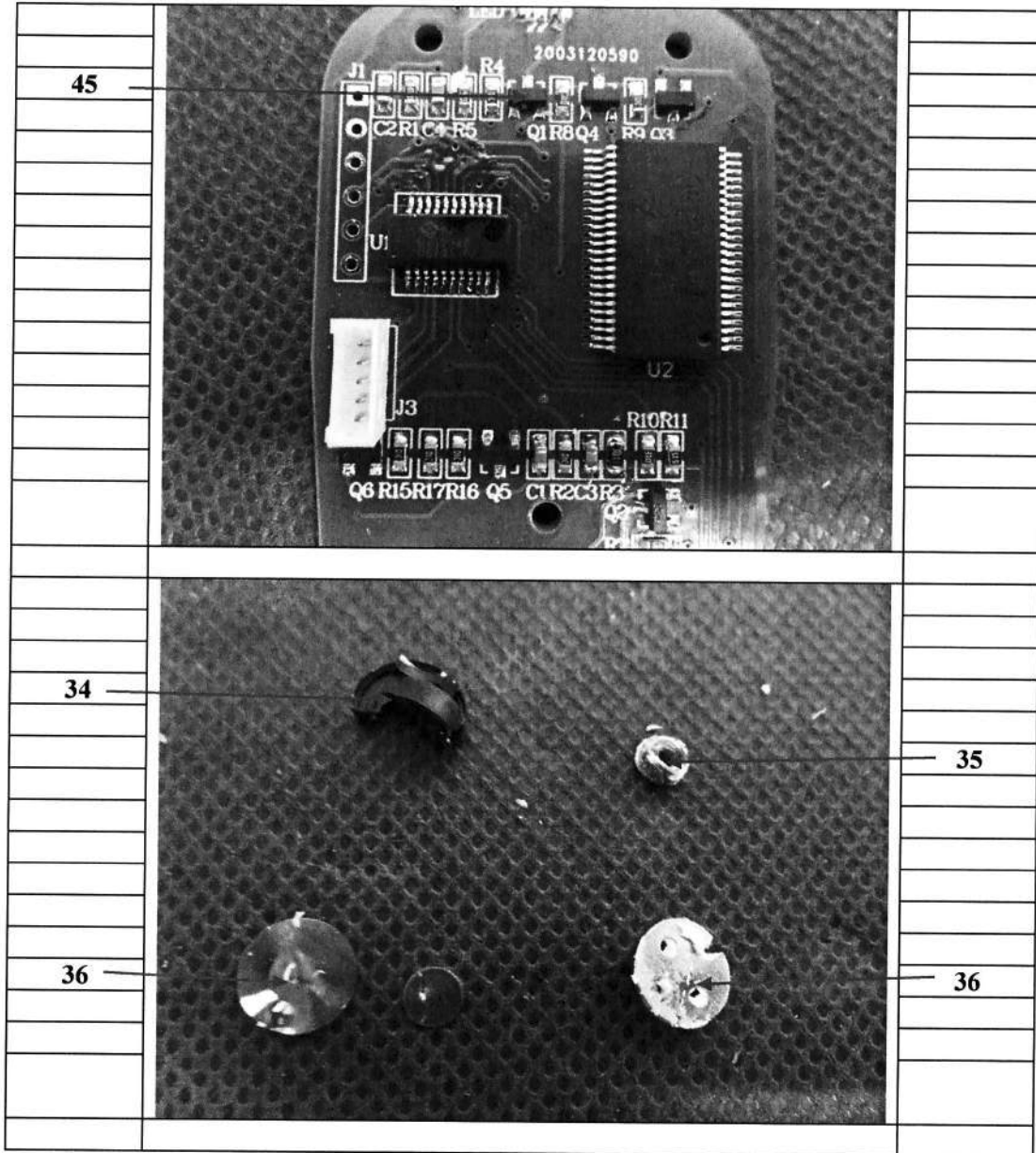
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<p>44</p>		<p>46</p> <p>22</p> <p>21</p>

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### Product photographs



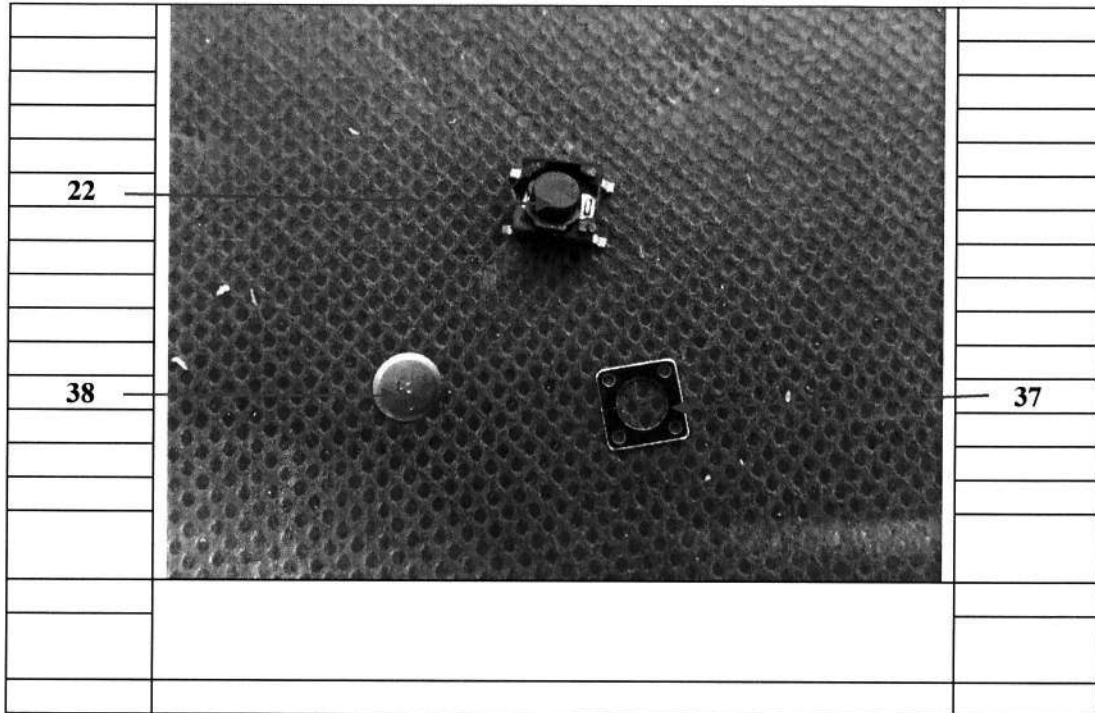


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### Appendix for Photos of the Submitted Sample(s)



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