

# AB Tip İnceleme Sertifikası EU Type-Examination Certificate

**Belge No / Certificate No** : 39-20-02  
**Belgelendirme Tarihi - Bir Sonraki Belge Tarihi /  
Certification Date / Certificate Validity Date** : 27.10.2020-27.10.2025  
**Belge Geçerlilik Tarihi / Document Validity Period** : 5 yıl / 5 years  
**Üretici Unvanı ve Adresi /  
Manufacturer Name and Address** : PLASSER PLASTİK VE KALIP SAN. VE  
TİC. LTD. ŞTİ.  
Rami Kışla Cad. Apek Üretmen İş Merkezi  
B Blok No:46 Eyüp/ İSTANBUL  
**Ürün Adı /Modeller / Product Name / Models** : PLAS-002  
**Direktifi / Directive** : 2016/425 REGULATION  
**Modülü/Kategori / Module / Category** : B MODÜLÜ/ KATEGORİ II  
MODULE B / CATEGORY II  
**Test Rapor No/ları / Test Report No** :  
MNA M-2020-00416, SGS TR1787720-RV1  
**Ürün Tipi / Product Type:**  
- EN 166 Kişisel Göz Koruması-Özellikler/ Personal eye-protection - Specifications

**Ürünün Malzeme Bilgisi / Product Material Information:** PLAS-002 model ürünleri plastik kullanılarak imal edilmiştir./ PLAS-002 model products are manufactured using plastic.

**Volkan AKIN**  
27.10.2020  
**Karar Verici / Approver**



**Okan AKEL**  
27.10.2020  
**Şirket Müdürü / General manager**




**ATTACHMENTS (39-20-02)****Model : PLAS-002**

<b>PPE SPECIFICATION</b>	<b>PERFORMANCE LEVELS</b>
Optical Class	1

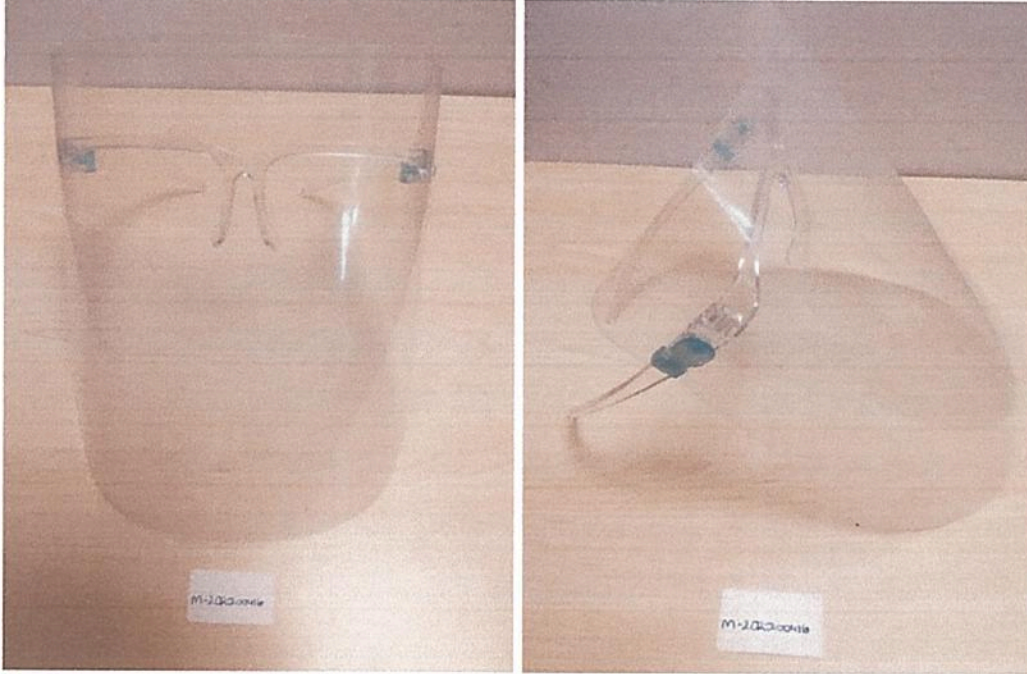
PPE produced as a single unit to fit an individual user, all the necessary instructions for manufacturing such PPE on the basis of the approved basic model:

**PRODUCT SIZE:** Standard

<b>MARKING</b>
<b>MANUFACTURER:</b> PLASSER PLASTİK VE KALIP SAN. VE TİC. LTD. ŞTİ. <b>PPE TYPE:</b> <ul style="list-style-type: none"><li>- EN 166 Personal eye-protection - Specifications</li></ul> <b>PRODUCT SIZE / MODEL:</b> PLAS-002 (Standard size) <b>PICTOGRAM AND PERFORMANCE LEVELS:</b>  EN 166 Identification of the manufacturer

MNA LABORATUVARLARI SAN. TIC. LTD. ŞTİ declares that the above-mentioned product meets the requirements of the directive according to the EU Directive 2016/425, the safety of the product is covered by the conditions and use specified in this certificate and in the technical file.

PRODUCT PICTURES



PLAS-002

DOCUMENTS IN THE TECHNICAL FILE

- Basic Health Safety Requirements
- Risk Assessment
- Test Reports
- Review Reports
- Technical Report

**Test Report**

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**PLASSER PLASTIK VE KALIP SAN VE TIC LTD STI**

ÜRETİM İŞ MERKEZİ TOPÇULAR MAH ESATAĞA CAD B BLOK 3/46 EYÜP İSTANBUL

TEL: 02125670748

FAX:

**To the attention of Serhat Çelik**

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

Sample No.	Sample Description
A	PROTECTIVE FACE SHIELD

Client's reference No. : TR 1787720-RV1  
Manufacturer : PLASSER PLASTIK VE KALIP SAN. TİC. LTD. ŞTİ.  
Country of Destination : EU, GERMANY, ENGLAND, FRANCE, GREECE,  
ITALY, SPAIN, SOUTH AFRICA, NORTH  
AFRICA, NIGERIA, AUSTRALIA  
Sample Receiving Date : 1 September 2020  
Resubmit Date : 30 September 2020  
Test Performing Period : 1 September 2020 ~ 23 September 2020

**Overall Conclusion** : **PASS**

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

**Performed Test Summary:** Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result
<b>Chemical tests</b>	<b>A</b>
EN 166:2001 / BS EN 166:2002 Personal eye-protection – Specifications Clause 6.1/7.1.1/7.1.2.1/7.1.2.2.1/7.1.2.3/7.1.3/7.1.5.1/7.1.6/7.1.7	M
EN ISO 12312-1:2013+A1:2015 Eye and face protection — Sunglasses and related eyewear — Part 1:Sunglasses for general use Clause 7.3 Impact resistance of the filter, strength level 1	M

Remarks	:	M = Meets client's requirement
		F = Exceed client's requirement
		I = Inconclusive
		* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	Residual sample can be returned to client if requested.	

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The test results relate to the tested items only.  
Test reports without SGS seal and authorised signatures are invalid.

Issued in Istanbul  
Signed for and on behalf of  
SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

**IN THIS REVISED-1 REPORT, TEST RESULTS WERE UPDATED. OVERALL CONCLUSION WAS CHANGED ACCORDINGLY.**

**THIS REPORT SUPERSEDES OUR REPORT NO: TR1787720 DATED 23.09.2020**

Mert Kurtuluş  
Customer Services Supervisor

Bora Şirinbilek  
Hardline & CPCH Testing Services Manager



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### Test Method & Result

1. EN 166:2001 / BS EN 166:2002 Personal eye-protection – Specifications Personal eye-protection – Specifications

#### Clause

6.1 General construction

#### Result

Pass

#### Finding

All samples were assessed. The samples were free from projections, sharp edges or other defects which are likely to cause discomfort or injury during use.

7.1.1 Field of vision

Pass

#### Finding

Samples 01 to 03 were assessed. The samples exhibited at least the minimum field of vision as defined by the Standard.

7.1.2 Optical requirements

7.1.2.1 Spherical, astigmatic and prismatic refractive powers

7.1.2.1.2 Mounted oculars and unmounted oculars covering both eyes

Optical

Class 1

### Finding

Sample	Requirement	Optical Class	Spherical Power (D1+D2)/2 m <sup>-1</sup>		Astigmatic Power m <sup>-1</sup>	
			± 0.06		Max. 0.06	
		1	Left Ocular	Right Ocular	Left Ocular	Right Ocular
01	Test Value	1	-0.01	-0.01	0.00	0.00
02			-0.01	-0.01	0.00	0.00
03			-0.01	-0.01	0.00	0.00

Sample	Requirement	Optical Class	Difference In Prismatic Power		
			Horizontal		Vertical cm/m
			Base Out cm/m	Base In cm/m	
		1	Max. 0.75	Max. 0.25	Max. 0.25
01	Test Value	1	0.05	--	0.00
02			0.05	--	0.00

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03		0.05	--	0.00
----	--	------	----	------

**Test Result**
**Clause**

7.1.2.2 Transmittance

7.1.2.2.1 Oculars without filtering action

**Result**
Pass
**Finding**

Sample	Requirement	Test Value (%)	
		Left Ocular	Right Ocular
04	Luminous Transmittance > 74.4 %	88.08	88.26
05		88.22	88.21
06		87.65	88.03

7.1.2.3 Diffusion of light

Pass
**Finding**

Sample	Requirement	Test Value [(cd/m <sup>2</sup> )/lx]
04L	Reduced Luminance Factor $\leq$ 0.50 [(cd/m <sup>2</sup> )/lx]	0.17
05R		0.17
06L		0.16

7.1.3 Quality of material and surface

Pass
**Finding**

Samples 01 to 03 were assessed. The samples were free from bubbles, scratches, inclusions, dull spots, pitting, mould marks, notches, reinforced points, specks, beads, water specks, pocking, gas inclusions, splintering, cracks, polishing defects or undulations.

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### Test Result

#### Clause

7.1.5 Resistance to ageing

7.1.5.1 Stability at an elevated temperature

#### Result

Pass

#### **Finding**

Samples 01 to 03 were assessed. The samples tested showed no apparent deformation.

7.1.6 Resistance to corrosion

N/A

7.1.7 Resistance to ignition

Pass

#### **Finding**

Samples 10 to 12 were assessed. For each of the samples tested, no part of the eye-protectors ignites or continues to glow after removal of the steel rod.

### Test Method & Result

2. EN ISO 12312-1:2013+A1:2015 Eye and face protection — Sunglasses and related eyewear — Part 1: Sunglasses for general use

#### Clause

7.3 Impact resistance of the filter, strength level 1

#### Result

Pass

See Finding

#### **Finding**

None of the following defects occurred:

- a) it cracks through its entire thickness and across a complete diameter into two or more separate pieces, or
- b) a person with a visual acuity of at least 1,0 (6/6 or 20/20) can see, when viewing without magnification but wearing the appropriate correction, if any, for near vision, either a piece of material that has become detached from the filter surface or a corresponding surface defect, or
- c) the test ball passes through the filter. This requirement also applies to the filter portions

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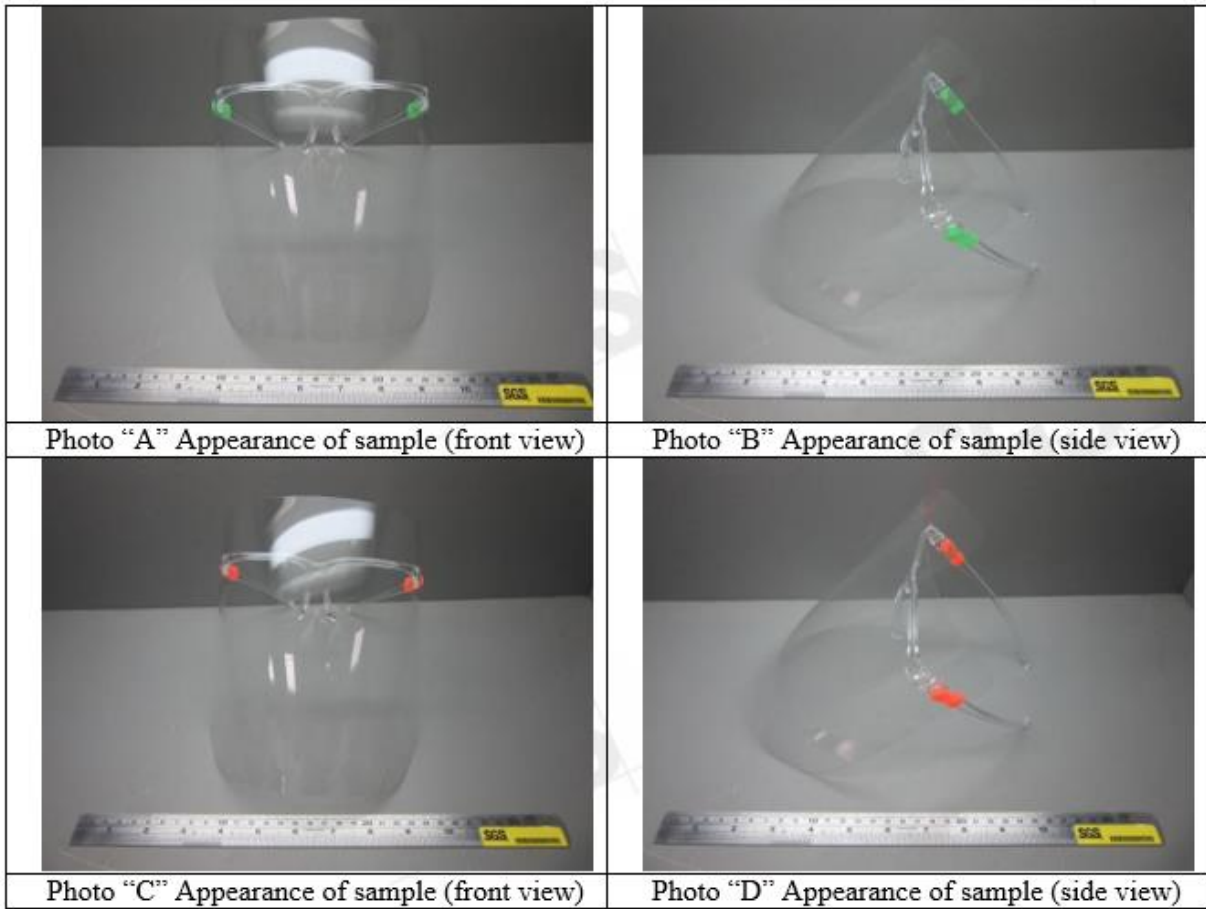
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- Remark:**
1. Samples were provided by applicant and samples were randomly selected to be assessed.
  2. Only applicable clauses were shown.
  3. N/E = Not Evaluated
  4. N/A = Not Applicable
  5. The content of this report is invalid if it is not presented as the entire report.
  6. The statement of conformity is based on the test results, but does not include the measurement uncertainty.

### – Picture(s) –



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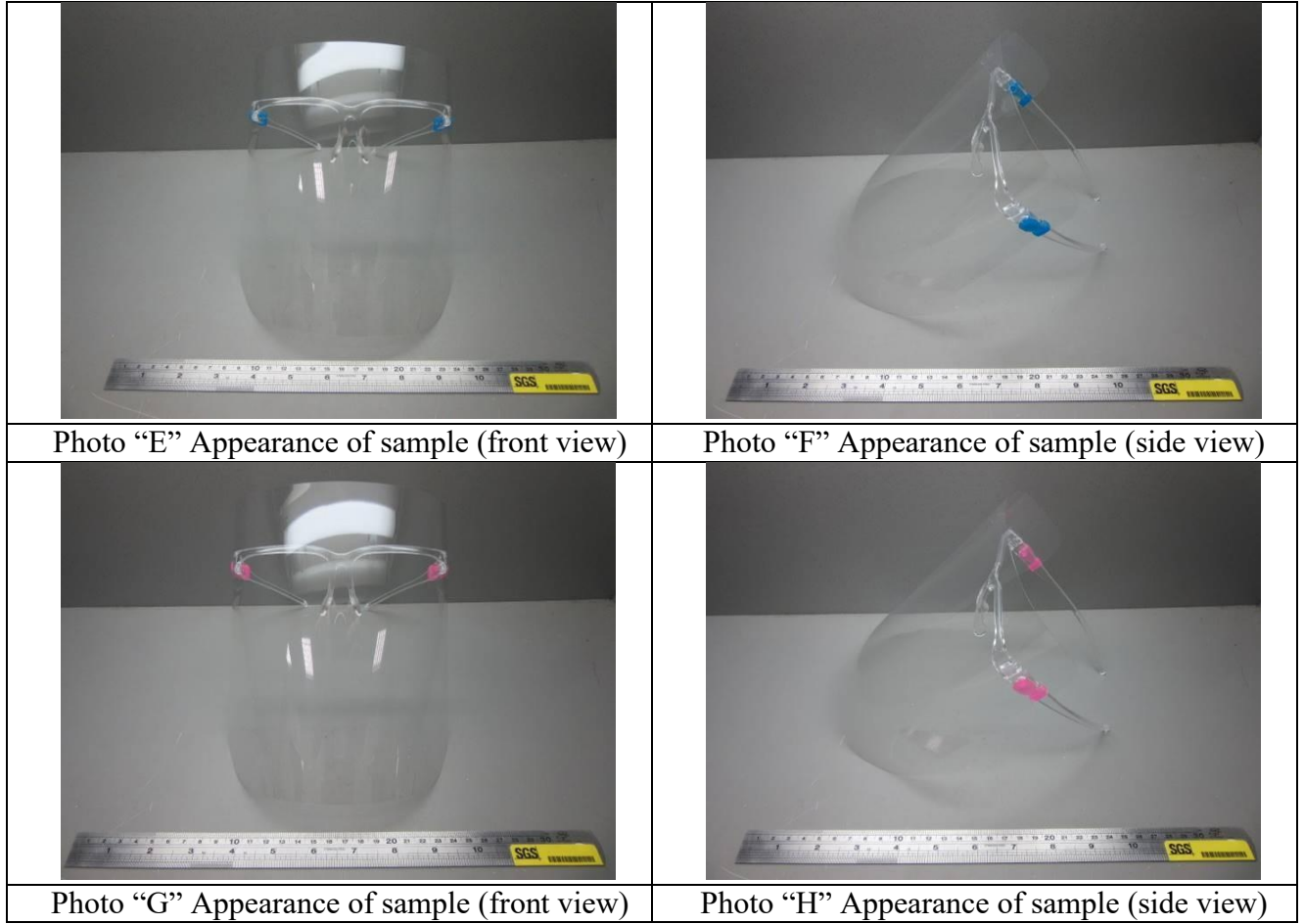
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### – Picture(s) –



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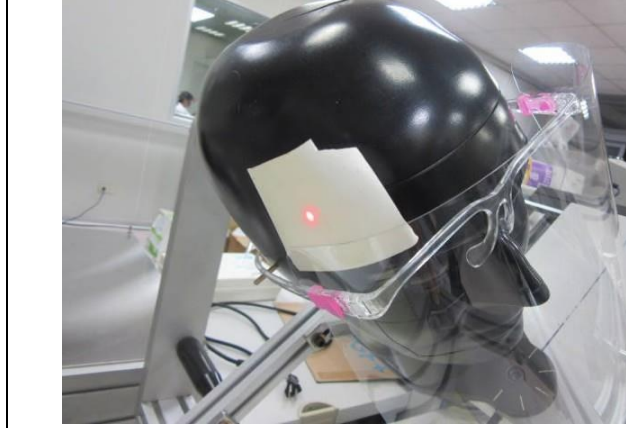


Photo "I" Appearance of sample (Clause 7.2.4)

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**Annex**  
**Estimates of the uncertainty of measurement at a confidence level of 95 %**

Clause		Uncertainty	Unit
6.3	Headbands	0.4 (Max.)	mm
7.1.2.1	Spherical and astigmatic refractive power	0.01 (Max.)	D
	Prismatic refractive power difference	0.01 (Max.)	cm/m
7.1.2.2.1	Transmittance values (%)	from 100 to 17.8	%
7.1.2.2.2			
7.1.2.2.3		from 17.8 to 0.44	
7.1.5.2			
7.2.1		0.25	
7.1.2.3	Diffusion of light	0.0251	[(cd/m <sup>2</sup> )/lx]
7.3.1			
7.1.2.4	Polarizing filters	0.1 (Max.)	degree

**Remark:** Values expressed as a percentage (%) are relative.

\*\* These tests have been performed at SGS Taiwan as subcontracted.

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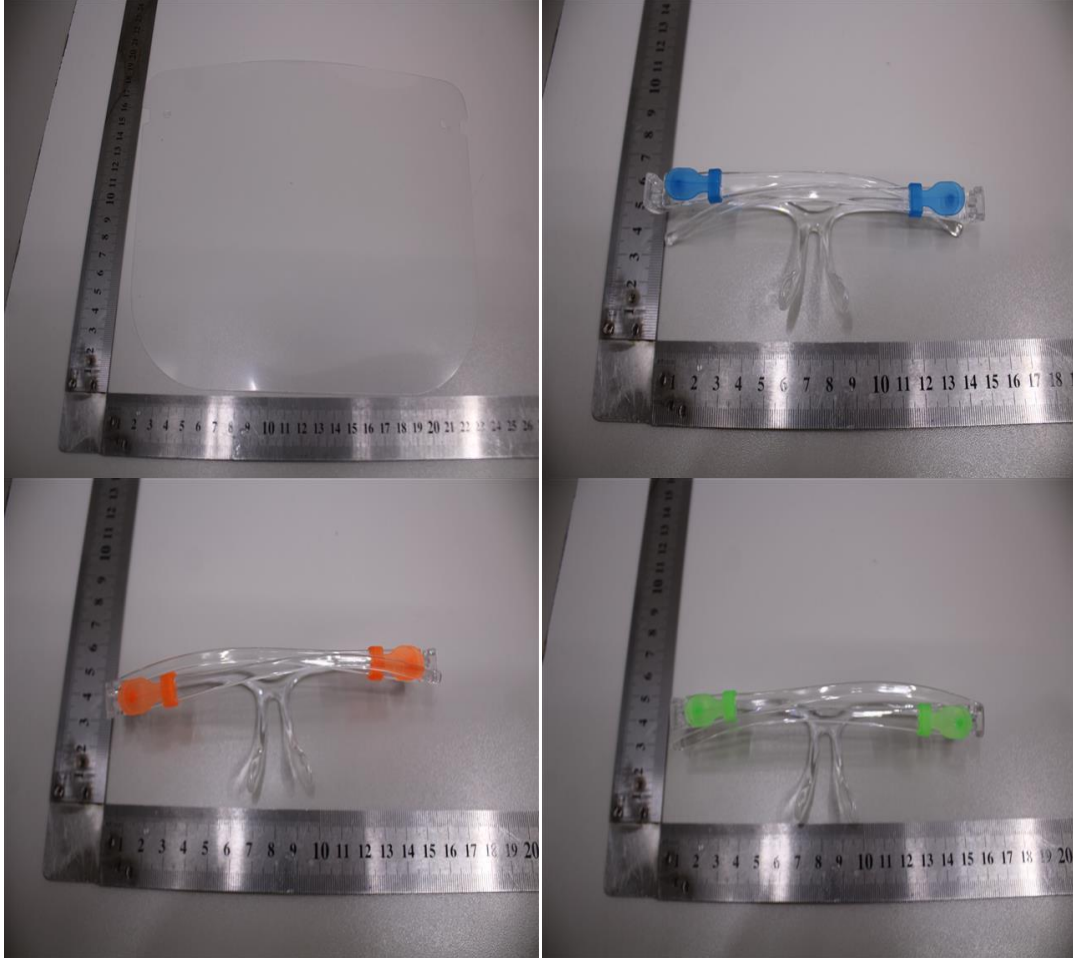
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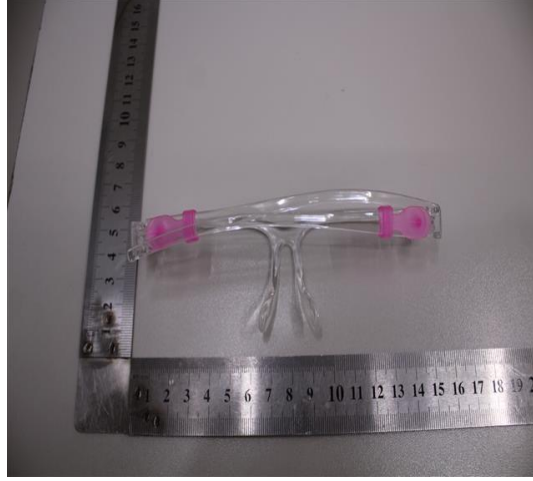
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End of Test Report

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