

METALTEK TEKNOLOJİ KİMYASAL ÜRÜNLER LTD. ŞTİ. /  
METALTEK TECHNOLOGY CHEMICAL PRODUCTS CO. LTD  
TEST LABORATORY

Address: Ostim Mah. Alınteri Bulvarı S.S. Gül 86 Sanayi Sitesi No:1/49  
06370 Ostim/ANKARA – TURKEY

AB-0547-T / 3202 / 01-20

TEST REPORT

Customer Name, Address: SANİDEZ İLAÇ SAN. TİC. LTD. ŞTİ  
Erenler Mahallesi 1184 Sokak No:1 Erenler / SAKARYA

Order No / Date: 4199 / 26.12.2019

Name and identity of the sample: Pron-Up CE High Level Medical Device Disinfectant

Date of receipt of the sample: 31.12.2019

Remarks: --/--

Test date: 10.01.2019

Report total pages: 4

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Türkish accreditation agency (TÜRKAK) is a signatory to the European co-operation for accreditation (EA) Multilateral Aggrement (MLA) International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports.

The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal	Date of issue 15.01.2020	Test Manager S.Ezgi YAZAR Chemical Engineer Test operator	Report Creator Gökhan YILDIRIM Economist Report Responsible	Approval Didar YEŞİLBAŞ Chemical Engineer Lab Deputy Manager
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The test results only apply to tested samples. Since the sampling is not carried out by our laboratory, our laboratory is not responsible for the representation function of the tested samples. This report may not be copied and published in part without the written permission of the laboratory. Unsigned and sealed reports are invalid.

FP.09.01. Revision number: 01 Effective date: 02.12.2019

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**TEST REPORT**

**1. CUSTOMER REQUEST:**

The test results are required to be assessed and reported by performing the tests specified in the table below on the test specimens specified in Article 2.

Directing Standard	Name of Test	Test Standard	Assessment Standards	Interim controll time	Test period
-	Determination of resistance to liquids, chapter-4: <b>Note-1:</b> The powdered disinfectant is made by adding 2 grams to 1 liter of water. Then 13 products are drained and left to stand at ambient temperature for 3 hours. After 3 hours the surface is wiped off and deformations are recorded.	TSE EN ISO 2812-4	-	-	3 Hours

**2. SAMPLE TO BE TESTED**

The test specimen information provided by the customer is listed in the following table.

Name of specimens	Main material type	Process before coating	Interstage informations	Final stage information	Branch / Model	Size/ Piece
Pron-Up CE High Level Medical Device Disinfectant	-	-	-	-	Was carried out by customer	3 Hours

**3. TEST STANDARD**

TSE EN ISO 2812-4 Paint and Varnish - Determination of resistance to liquids, chapter-4:Spot method

**4. TESTING DEVICE INFORMATION**

Name of test device	Validity date of calibration	Producing company
Etalon MT-ET1-032	13.06.2018 / 13.06.2021	BAYKON
Etalon MT-ET20-033	13.06.2018 / 13.06.2021	BAYKON
Etalon MT-ET50-034	13.06.2018 / 13.06.2021	BAYKON
Chemical Balance MT-TR8-123	21.01.2019 / 21.01.2020	RADWAG

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**TEST REPORT**

**5. TEST RESULTS**

Part Name	Test Results			
	Initial weight (g)	End weight (g)	Weight difference (g)	Visual Check
Acrylic Solid	19,726	19,726	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Polycarbonate	4,187	4,187	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Castermid	79,581	79,581	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Teflon	65,460	65,458	0,002	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Caoutchouc	63,482	63,476	0,006	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
PVC	37,945	37,944	0,001	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
PET HDPE	71,867	71,865	0,002	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Derlyn	74,856	74,856	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Polyamide	50,896	50,896	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Stainless Steel	29,547	29,547	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Glass	37,548	37,543	0,005	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Polyethylene	42,104	42,102	0,002	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)
Porcelain	48,456	48,456	0	In the test result, no deformation was found on the surface of the material. (Pale color, cracks, flocculation, bubbles)

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**TEST REPORT**

- Note – 3:** There were no inconspicuous and unexpected conditions during the test  
**Note – 4:** The tested samples were returned with the report  
**Note – 5:** The attachments of the report are only sent as PDF and by email. No original printout will be presented.

**Annex-1:** Photos after the test

\* Test standards marked with an asterisk are not in the accreditation area

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**Test Report Attachements**

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**Annex-1: Photos after the test**

AFTER THE CHEMICAL RESISTANCE TEST – **Acrylic Solid**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Polycarbonate**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Castermid**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Teflon**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Caoutchouc**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **PVC**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **PET HDPE**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Derlyn**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Polyamide**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Stainless Steel**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Glass**

**PHOTO**

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AFTER THE CHEMICAL RESISTANCE TEST – **Polyethylene**

**PHOTO**

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**Test Report Attachements**

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AFTER THE CHEMICAL RESISTANCE TEST – **Porcelain**

**PHOTO**

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AB-0547-T / 3092 / 10-19

**TEST REPORT**

Customer Name, Address: SANİDEZ İLAÇ SAN. TİC. LTD. ŞTİ  
Erenler Mahallesi 1184 Sokak No:1 Erenler / SAKARYA

Order No / Date: 4053 / 23.10.2019

Name and identity of the sample: Pron-Up CE Disinfectant

Date of receipt of the sample: 23.10.2019

Remarks: --/--

Test date: 25.10.2019

Report total pages: 3

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The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report.

Seal	Date of issue	Test Manager	Report Creator	Approval
	25.10.2019	M.Akif SEÇGİN	Gökhan YILDIRIM	Didar YEŞİLBAŞ Chemical Engineer

The test results only apply to tested samples. Since the sampling is not carried out by our laboratory, our laboratory is not responsible for the representation function of the tested samples. This report may not be copied and published in part without the written permission of the laboratory. Unsigned and sealed reports are invalid.

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AB-0547-T / 3092 / 10-19

**TEST REPORT**

**1. CUSTOMER REQUEST:**

It was required to perform the liquid resistance test and report the visual deformations that occurred, using the glass-acrylic incubator piece and the polycarbonate incubator bed made with the Pron-UP powder product according to the TS EN ISO 2812-4 standards Disinfectant liquid have been exposed.

**2. TEST ITEM:**

**Name of Specimen:** Pron-UP Disinfectant  
**Material type:** -  
**Test preparation procedure / Conditioning:** -  
**Size / Piece:** 50 gr. / 1 Piece

**3. APPLIED STANDARDS**

TSE EN ISO 2812-4 Paint and Varnish - Determination of resistance to liquids, chapter-4:Spot method

**4. TEST PROGRAM**

**Determination of resistance to liquids:**  
(up to TSE EN ISO 2812-4 standards)

**Test preparation procedure:** The surfaces of the incubator parts are cleaned before the test and corrosion-releasing oils and contamination elements that contaminate by hand and other environments are removed. Photos of the incubator parts were taken before the test. Pron-UP was then added to 2 liters of water in 2 g powder to obtain a disinfectant liquid (800 ppm). The disinfectant liquid obtained was dropped onto the incubator parts and the test started.

**Applied Chemical:** Pron-UP Disinfectant  
**Test temperature:** Ambient temperature (24 C, %48 RH)  
**Total test duration:** 3 hours  
**Chemical exposure method:** Dropping method

**Processes after the test:** At the end of the test period, the parts were cleaned and dried. Optical assessments were then carried out and the test ended.

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TEST REPORT

5. INFORMATION ABOUT USED EQUIPMENT

Name of test device	Calibration date/ End date of calibration	Model	Producing company
Etalon MT-ET1-032	13.06.2018 / 13.06.2021	E2	BAYKON

6. TEST RESULTS

Part Name	Test Results (3 hours)
Glass acrylic incubator piece	At the end of the 3 hour test, no deformations were found on the surfaces of both test objects. (Pale color, cracks, flocculation, bubbles)
Polycarbonate incubator strip	

**Note:** The test reports were returned / handed over together with the samples.

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İşbu belge **TÜRKÇE** metinden aslına uygun olarak **İNGİLİZCE**  
diline tarafımca tercüme edilmiştir . **14.03.2020**