

**IKA LABORATORIES (2006) Ltd.**

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|                                           |                                      |
|-------------------------------------------|--------------------------------------|
| <b>TEST REPORT No. <u>16-2237-1</u></b>   | Date: <u>12/12/2016</u>              |
| Ordered by: <b>ADIT YVES LTD.</b>         |                                      |
| Address: <u>Moshav Bnei Reem</u> , Israel |                                      |
| Part Description: Screw                   | Material: SS316                      |
| Standard: ASTM A240: 2011                 | Designation: Adit GX-L M10X100 SS316 |

**I. TEST RESULTS****1.1 Chemical Analysis**

The chemical analysis was performed using optical emission spectrometry (OES), in accordance with Work Instructions 25/19, Rev.2.

|                         | Element, % | C    | Si   | Mn   | P     | S     | Cr   | Ni   | Mo    | Al   | Fe   |
|-------------------------|------------|------|------|------|-------|-------|------|------|-------|------|------|
|                         | Results    | 0.03 | 0.27 | 1.22 | 0.044 | 0.008 | 16.6 | 10.1 | 1.91* | 0.01 | Rest |
| Standard Req. for SS316 | Min        | -    | -    | -    | -     | -     | 16.0 | 10.0 | 2.00  | -    | Rest |
|                         | Max        | 0.08 | 0.75 | 2.00 | 0.045 | 0.030 | 18.0 | 14.0 | 3.00  | -    |      |

\* Deviation of 0.10% is permitted IAW with ASTM A484/A 484M Standard table 1.

Room Temperature: 25±5°C

Humidity: 40±20%

2. **Remarks:** (-)

3. **Conclusions:** The chemical composition of the screw complies with ASTM A240: 2011 requirements for SS316.



Prepared by:  
Alex Evelin.  
Materials Engineer



Approved by:  
Dr. Boris Feldman  
Laboratory Manager

**End of Document**

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|                        |                 |                 |               |
|------------------------|-----------------|-----------------|---------------|
| Report: Adit-16-2237-1 | Laboratory Test | Work No.16-2237 | Page: 1 of: 1 |
|------------------------|-----------------|-----------------|---------------|



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|                                            |  |                  |
|--------------------------------------------|--|------------------|
| <b>TEST REPORT No. 16-2237-4</b>           |  | Date: 12/12/2016 |
| <b>Ordered by: ADIT YVES LTD.</b>          |  |                  |
| Address: <b>Moshav Bnei Reem</b> , Israel  |  |                  |
| <b>Part Description:</b> Screw             |  |                  |
| <b>Material:</b> SS316                     |  |                  |
| <b>Standard:</b> ASTM A240: 2011           |  |                  |
| <b>Designation:</b> Adit GX-L M8X100 SS316 |  |                  |

**1. TEST RESULTS**

**1.1 Chemical Analysis**

The chemical analysis was performed using optical emission spectrometry (OES), in accordance with Work Instructions 25/19, Rev.2.

| Element, % | Results |      | Standard Req. for SS316 |        |       |      |      |        |      |      |      |      |
|------------|---------|------|-------------------------|--------|-------|------|------|--------|------|------|------|------|
|            | Max     | Min  | C                       | Si     | Mn    | P    | S    | Cr     | Ni   | Mo   | Al   | Fe   |
| Results    | 0.02    | 0.39 | 1.02                    | 0.046* | 0.008 | 16.6 | 10.3 | 1.90** | 0.01 | Rest | Rest | Rest |
| Min        | -       | -    | -                       | -      | -     | 16.0 | 10.0 | 2.00   | -    | Rest | Rest | Rest |
| Max        | 0.08    | 0.75 | 2.00                    | 0.045  | 0.030 | 18.0 | 14.0 | 3.00   | -    | Rest | Rest | Rest |

\* Deviation of 0.10% is permitted IAW with ASTM A484/A 484M Standard table 1.  
 \*\* Deviation of 0.10% is permitted IAW with ASTM A484/A 484M Standard table 1.


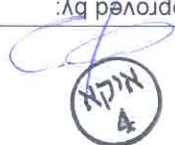
Room Temperature: 25±5°C

Humidity: 40±20%

**2. Remarks: (-)**

**3. Conclusions:** The chemical composition of the screw complies with ASTM A240: 2011 requirements

for SS316.

Prepared by:  Alex Evelin, Materials Engineer  
 Approved by:  Dr. Boris Feldman, Laboratory Manager

**End of Document**  
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|                        |                 |                  |              |
|------------------------|-----------------|------------------|--------------|
| Report: Adit-16-2237-4 | Laboratory Test | Work No. 16-2237 | Page: 1 of 1 |
|------------------------|-----------------|------------------|--------------|

Form No 02E (09.16)

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|                                   |                                    |                  |
|-----------------------------------|------------------------------------|------------------|
| <b>TEST REPORT No. 16-2237-2</b>  |                                    | Date: 12/12/2016 |
| Ordered by: ADIT YVES LTD.        |                                    |                  |
| Address: Moshav Bnei Reem, Israel |                                    |                  |
| Part Description: Screw           | Material: SS316                    |                  |
| Standard: ASTM A240: 2011         | Designation: Adit GX-L M8X80 SS316 |                  |

**1. TEST RESULTS****1.1 Chemical Analysis**

The chemical analysis was performed using optical emission spectrometry (OES), in accordance with Work Instructions 25/19, Rev.2.

|                         | Element, % | C    | Si   | Mn   | P     | S     | Cr   | Ni   | Mo    | Al   | Fe   |
|-------------------------|------------|------|------|------|-------|-------|------|------|-------|------|------|
|                         | Results    | 0.03 | 0.26 | 1.03 | 0.042 | 0.008 | 17.7 | 12.1 | 1.92* | 0.01 | Rest |
| Standard Req. for SS316 | Min        | -    | -    | -    | -     | -     | 16.0 | 10.0 | 2.00  | -    | Rest |
|                         | Max        | 0.08 | 0.75 | 2.00 | 0.045 | 0.030 | 18.0 | 14.0 | 3.00  | -    |      |

\* Deviation of 0.10% is permitted IAW with ASTM A484/A 484M Standard table 1.

Room Temperature: 25±5°C

Humidity: 40±20%

2. **Remarks:** (-)
3. **Conclusions:** The chemical composition of the screw complies with ASTM A240: 2011 requirements for SS316.



Prepared by:  
Alex Evelin.  
Materials Engineer



Approved by:  
Dr. Boris Feldman  
Laboratory Manager

**End of Document**

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Report: Adit-16-2237-2

Laboratory Test

Work No.16-2237

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Form No 02E (09.16)

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
|                                                         |                         |
|---------------------------------------------------------|-------------------------|
| <b>TEST REPORT No. <u>12-0951</u></b>                   | <b>Date: 15.07.2012</b> |
| <b>Ordered by: ADIT Optimal Building Solutions Ltd.</b> |                         |
| <b>Part Designation: "Adit GX-L M 10x120 SS316L"</b>    |                         |
| <b>Material: 316L</b>                                   |                         |
| <b>Specification: ASTM A580-08</b>                      |                         |

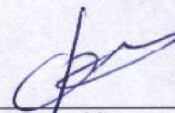
**1. TEST RESULTS****1.1 Chemical Analysis**

The chemical analysis was conducted using optical emission spectrometry (OES).

| Element, %                             | C           | Mn   | P     | S     | Si    | Ni   | Cr   | Mo   | Cu   | Fe   |
|----------------------------------------|-------------|------|-------|-------|-------|------|------|------|------|------|
| <b>Results</b>                         | 0.03        | 1.54 | 0.021 | 0.002 | 0.30  | 10.2 | 16.2 | 2.04 | 0.21 | Rest |
| <b>Specification<br/>Req. for 316L</b> | <b>Min.</b> | -    | -     | -     | -     | 10.0 | 16.0 | 2.00 | -    | Rest |
|                                        | <b>Max.</b> | 0.03 | 2.00  | 0.045 | 0.030 | 1.00 | 14.0 | 18.0 | 3.00 |      |

Room temperature: 25±5°CHumidity: 40±20%**2. Remarks:** (-)**3. Conclusions:** The chemical composition complies with the ASTM A580-08 standard requirements for 316L.

  
Prepared by:  
Luba F.  
Materials Engineer

  
Approved by:  
Dr. Boris Feldman  
Laboratory Manager

**End of Document**

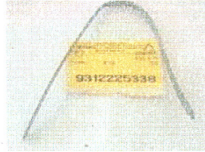
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## תעודת בדיקה מס' 9312225338

בהתאם לסעיף 12 בחוק התקנים תשי"ג 1953

### פרטי ההזמנה:

שם המזמין : אדיט בע"מ  
 כתובת : ת.ד. 147 בני ראם 79840  
 תאריך ההזמנה : 09/10/2013



### תאור המוצר:

בורג מנירוסטה  
 רצ"ב תמונה

### פרטי הנטילה:

הדוגמא נתקבלה במכון : 03/10/13  
**המוצר נבחר ע"י בא כח המזמין** : איב דה לטואר

### מהות הבדיקה:

זיהוי והתאמת המתכות לסגסוגת פלבי"מ תקנית עפ"י דרישות התקן –  
 ASTM A240 -12 – Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.

### תוצאות הבדיקה (%):

| מידת התאמה | סוג המתכת | צורן (Si) |                | מוליבדן (Mo) |      | ניקל (Ni) |       | מנגן (Mn) |      | כרום (Cr) |       | ברזל (Fe) |       | פריט |
|------------|-----------|-----------|----------------|--------------|------|-----------|-------|-----------|------|-----------|-------|-----------|-------|------|
|            |           | ±         | קטן מ-<br>0.17 | ±            |      | ±         |       | ±         |      | ±         |       | ±         |       |      |
| 1.82       | SS-316    | -         | קטן מ-<br>0.17 | 0.03         | 2.11 | 0.21      | 10.71 | 0.12      | 1.38 | 0.15      | 15.71 | 0.36      | 69.25 | בורג |

הערות:

- הסריקה בוצעה במכשיר XRF מתוצרת NITON, מס' דגם XL31900, מס' צבי"ד 6066. סריקה הינה אינדיקטיבית וכוללת מידת התאמה על פי סקלת הערכים הבאה:  
 ○ מידת התאמה בין 0-1 : מעידה על התאמה של כ- 99% לסוג הסגסוגת.  
 ○ מידת התאמה בין 1-2 : מעידה על התאמה של כ- 95% לסוג הסגסוגת.  
 ○ מידת התאמה בין 2-3 : מעידה על התאמה של כ- 66% לסוג הסגסוגת.  
 ○ מידת התאמה מעל ל-3 : מעידה על חוסר התאמה לסוג הסגסוגת.  
 2. ניתן לאמת את תוצאות הסריקה באמצעות בדיקות אנליטיות.

מסמך זה בלבד אינו מספיק  
 לשחרור טובין מהמכס

תוצאות הבדיקה במסמך זה מתייחסות  
 רק לפריט שנבדק

מסמך זה מכיל דף 1 ואין  
 להשתמש בו אלא במלואו

### מסקנה:

הדוגמא נמצאה **מתאימה** לדרישות התקן "ASTM A240 -12" עבור סגסוגת פלבי"מ 316.  
 ראה מידת התאמה בטבלת התוצאות.

שחר נזרי M.Sc  
 ראש ענף מתכות וצעצועים  
 תאריך חתימה: 14.10.13  
 תאריך ההדפסה: 13/10/2013

זיו מרגוקר  
 מהנדס בודק  
 תאריך חתימה: 13/10/13

מסמך זה אינו היחיד לסייען הממוצר. במתן-תוקן