



ISO/IEC 17025;2017

ISO/IEC 17020: 2012, Type A

מעבדות בדיקה

פעילות פקוח

## תעודת הסמכה מס' 4

# מעבדות איזוטסט החדשה בע"מ

כתובת אתר ייחוס: ת.ד. 13100, יבנה 8122006

עד יום: 31.07.2021

בתוקף מיום: 21.08.2019

הארגון נבדק ונבחן על ידי הרשות הלאומית להסמכת מעבדות (להלן הרש"ת) ונמצא ראוי להסמכה בהתאם לנספח פירוט היקף ההסמכה המצורף לתעודה זו, המהווה חלק בלתי נפרד ממנה ומספרו זהה למספר התעודה. הסמכה מצביעה על כשירות מקצועית ותפעול מערכת ניהול איכות בעלת הכרה בינלאומית. הארגון המוסמך על ידי הרשות, עומד בתקנים/ בדרישות המפורטים למעלה. דרישות התקנים הם לכשירות מקצועית ולמערכות ניהול, שהינן הכרחיות למתן תוצאות אמינות. הסמכה זו ניתנה בהתאם לכללי ISO/IEC 17011:2017 לפיהם פועלת הרשות ובמסגרתם מקיימת פיקוח שוטף על הארגון לצורך בחינת תפקודו המתמשך בהתאם לדרישות ההסמכה. ההסמכה תקפה כל עוד הארגון עונה לאמות המידה שנקבעו על ידי הרשות. תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר  
מנכ"ל  
הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון: 01.08.1995



הרשות הלאומית להסמכת מעבדות  
Israel Laboratory Accreditation Authority

**Testing Laboratories  
Inspection Activity**

**ISO/IEC 17025;2017  
ISO/IEC 17020: 2012, Type A**

**Accreditation Certificate No. 4**

**New Isotest Labs Ltd.**

**Main site address:** P.O.Box 13100 Yavne, 8122006, Israel

**Valid from: 21.08.2019**

**Until: 31.07.2021**

The organization was assessed by the Israel Laboratory Accreditation Authority (ISRAC) and found to be worthy of accreditation to the detailed schedule attached.

The schedule is an integral part of this certificate and is numbered with the above certificate number.

Accreditation demonstrates technical competence and operation of an internationally recognized quality management system.

The organization accredited by ISRAC complies with the standards/requirements mentioned above, meets the technical competence requirements and management system requirements that are necessary for it to consistently deliver technically competent results. This accreditation is granted in accordance with the requirements of ISO/IEC 17011:2017, and entails periodic surveillance and reassessment by ISRAC to ensure that the organization continues to comply with the accreditation requirements.

The accreditation is valid provided that the organization continues to meet the criteria as laid down by ISRAC.

This certificate does not constitute an approval in accordance with article 12 of the standard law.

**Date of first accreditation: 01.08.1995**

**Etty Feller  
General Manager  
Israel Laboratory Accreditation Authority**

Date of signature 21.08.2019

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Department: Testing Laboratory ISO/IEC 17025; 2017  
Inspection Activity -Type A ISO/IEC 17020;2012

Accreditation No. 004

Name and Address:

Laboratory name New Isotest Labs Ltd.  
Address 3 Yarmouk St., Yavne, 8122006, Israel  
  
Phone +972-8-933-0630  
Fax +972-8-933-0351  
E-Mail [office@maabadot.co.il](mailto:office@maabadot.co.il)  
Web Site [Maabadot.co.il](http://Maabadot.co.il)

As declared by the organization, following is a list of the permanent sites and the phones numbers at which accredited activities are preformed.

- P Main: Yavne +972-8-933-0630
- P1 Beer sheva +972-8-628-1550
- P2 Emek Hefer +972-9-833-5337
- P3 Rosh Pinna +972-4-658-4433
- P4 Jerusalem +972-2-6215085

Definitions:

Main site:

A central site where the quality system is controlled for all sites where tests, calibrations or sampling are preformed.

Permanent site (Branch):

Permanent or temporary site existing longer than 6 months where at, or from which, the activities part of the accreditation schedule are preformed.

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Site: P or T or M , P-Permanent, T-Temporary, M-Mobile

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Type of Scopes: A- Fixed, C- Flexible scope in analytical tests : Type of matrix, analytes, experimental systems and/or analytical characteristics may be subject to changes, in accordance with the laboratory's approved and documented procedures. For details, please refer to the list of Accredited Tests, available from the laboratory upon request.



Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Construction - Building Systems</b>					<b>משפחת מוצרים: בניה - מערכות הבניין</b>				
<b>Design and Installation, Building envelope</b>					<b>תכן והתקנה, מעטפת המבנה</b>				
1	A	T	External walls and openings in external walls	קירות חיצוניים ופתחים בקירות חיצוניים	Watertightness test	בדיקת אטימות	SI 1476 part 2	---	SI= Israeli Standards
2	A	T	Flat roofs and balconies	גגות שטוחים ומרפסות	Watertightness test	בדיקת אטימות	SI 1476 part 1	---	

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Construction - Concrete, Cladding and Raw Materials for Concrete manufacturing</b>					<b>משפחת מוצרים: בניה - בטון, חיפויים וחומרי גלם לייצור בטון</b>				
<b>Physical Testing</b>					<b>בדיקות פיזיקליות</b>				
3	A	P; T; P1; T1; P2; T2; P3; T3 P4; T4	Concrete	בטון	Making and curing of test specimens	הכנת של דוגמות בדיקה ואשפרתן	SI 26 part 3	---	
4	A	P; P1; P2; P3	Concrete: Specification, performance and production	בטון: דרישות תפקוד וייצור	Compressive strength	חוזק הלחיצה	SI 118 section 10.3 & 10.4	---	

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Construction - Concrete, Cladding and Raw Materials for Concrete manufacturing</b>					<b>משפחת מוצרים: בניה - בטון, חיפויים וחומרי גלם לייצור בטון</b>			
<b>Physical Testing</b>					<b>בדיקות פיזיקליות</b>			
5	A	P; T	Concrete: Specification, performance and production	בטון : דרישות תפקוד וייצור	Homogeneity of the mixing	אחידות הערבול	SI 118 Appendix 5	---
6	A	P; T	Fresh concrete	בטון טרי	Air content – Pressure gauge method	תכולת האוויר- שיטת מד לחץ	SI 26 part 2.6	---
7	A	P; T; P1; T1; P2; T2; P3; T3	Fresh concrete	בטון טרי	Density	צפיפות	SI 26 part 2.5	---
8	A	T; T1; T2; T3 T4	Fresh concrete	בטון טרי	Sampling	נטילת המדגם המייצג	SI 26 part 1	---
9	A	P; T	Fresh concrete	בטון טרי	Setting time - Penetration resistance	זמן ההתקשרות - התנגדות לחדירה	SI 26 part 2.7	---
10	A	P; T; P1; T1; P2; T2; P3; T3 P4;T4	Fresh concrete	בטון טרי	Slump test	סומך-בדיקת שקיעה	SI 26 part 2.1	Meet the requirement of SI 118 part 4.2.1
11	A	P	Fresh concrete	בטון טרי	Water bleeding	בדיקת הפרשת מים	SI 26 part 2.8	---
12	A	P; P1; P2; P3	Hardened concrete	בטון קשוי	Compressive strength	חוזק לחיצה	SI 26 part 4.1	---

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Construction - Concrete, Cladding and Raw Materials for Concrete manufacturing</b>					<b>משפחת מוצרים: בניה - בטון, חיפויים וחומרי גלם לייצור בטון</b>			
<b>Physical Testing</b>					<b>בדיקות פיזיקליות</b>			
13	A	P	Hardened concrete	בטון קשוי	Depth of penetration of water under pressure	עומק החדירה של מים בלחץ	SI 26 part 5.2	---
14	A	P	Hardened concrete	בטון קשוי	Flexural Strength	חוזק כפיפה	SI 26 part 4.2	---
15	A	P; T; P1; T1; P3; T3	Hardened concrete	בטון שהתקשה במבנה	Sampling, preparing and testing compressive strength	נטילה, הכנה ובדיקת חוזק	SI 26 part 6	---
16	A	T1; T2	Hardened concrete	בטון שהתקשה במבנה	Sampling, preparing and testing compressive strength- Sampling only.	נטילה, הכנה ובדיקת חוזק – נטילה בלבד.	SI 26 part 6 section 4 & 5	---
17	A	P	Hardened concrete	בטון קשוי	Density	צפיפות	SI 26 part 5.1	---
18	A	P	Hardened concrete	בטון קשוי	Water absorption	כושר הספיגות למים	SI 26 part 5.1	---
19	A	P	Non-structural lightweight concrete	בטון קל לשימושים לא מבניים	Compressive strength	חוזק הלחיצה	SI 1513 section 203	---
20	A	P; T; P1; T1; P3; T3	Non-structural lightweight concrete	בטון קל לשימושים לא מבניים	Sampling	נטילת מדגמים והכנת דוגמות לבדיקה	SI 1513 section 107	---
21	A	P; T; P1; T1; P3; T3	Non-structural lightweight concrete	בטון קל לשימושים לא מבניים	Specific density	מסה סגולית מרחבית	SI 1513 section 202	---

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<b>Physical Testing</b>				<b>בדיקות פיזיקליות</b>			
22	A	P; T	Prestressed concrete	בטון דרוך Grout	דיס SI 466 part 3 section 31.3	---	

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Construction - Engineering Testing</b>				<b>משפחת מוצרים: בניה - בדיקות הנדסיות</b>			
<b>Carpentry Work in Buildings and Shelters and Protected Areas</b>				<b>ממדים, מקלטים ונגרות במבנים</b>			
23	A	T	Air- raid shelters and protective areas	מקלטים ומרחבים מוגנים Sealing test	בדיקת אטימות SI 4577	---	
24	A	T	Plaster	טיח The resistance of plaster from destruction	עמידות הטיח בפני הרס SI 1920 part 2 section 3.4.11	---	Requirements according to: SI 5075 sections 3.1, 4.1.2, 5.1
25	A	T	Plaster	טיח Thickness	עובי SI 1920 part 2 section 5.2.3.5	---	Requirements according to: SI 5075 sections 3.2, 4.2, 5.1.3
26	A	T	Windows and shutters installed in situ: internal safety windows in protected areas	חלונות ותריסים מותקנים באתר: חלונות ביטחון פנימיים במרחבים מוגנים Installation testing	בדיקות התקנה SI 4068 part 2	---	

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<b>Group of Products: Construction Materials Raw and Products</b>							<b>משפחת מוצרים: חומרים ומוצרי בניה</b>		
<b>Physical Testing</b>							<b>בדיקות פיזיקליות</b>		
27	A	T	Natural stone cladded walls.	קירות מחופים באבן טבעית	Walls cladded using a wet fixing method: on site tests	קירות מחופים בקיבוע רטוב: בדיקות באתר	SI 2378 part 2 section 5.2.2.1	---	
28	A	T	Natural stone cladded walls.	קירות מחופים באבן טבעית	Walls cladded using a wet fixing method: laboratory tests	קירות מחופים בקיבוע רטוב: בדיקות במעבדה	SI 2378 part 2 section 5.2.2.2	---	תת סעיפים א' ו'ב'
29	A	T	Exterior cladding: mosaic and ceramic	חיפוי חוץ: פסיפס וקרמיקה	Installation of mosaic and ceramic flooring and cladding system in buildings: Exterior wall, Adhesion strength tests tension (pull-axial) Of Tensile strength of the implementation layer in the intermediate layer (Mortar) In existing buildings	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים: חיפוי חוץ. בדיקה של חוזק ההידבקות במתיחה (במשיכה צירית) של הרקע, או של הרקע ושכבת הביניים בבניינים קיימים	SI 1555 part 1 section 5.2.2	---	
30	A	T	Exterior cladding: mosaic and ceramic	חיפוי חוץ: פסיפס וקרמיקה	Installation of mosaic and ceramic flooring and cladding system in buildings: Exterior wall, Adhesion strength tests tension (pull-axial) of a prototype wall	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים: בדיקות חוזק ההידבקות במתיחה (במשיכה צירית) של קיר אב-טיפוס	SI 1555 part 1 section 5.2.3	---	
31	A	T	Floor Coverings: Mosaic tiles made of ceramic and glass	ריצוף: פסיפס מקרמיקה ומזכוכית	Installation of mosaic and ceramic flooring and cladding system in buildings: Exterior Axial pull tensile strength	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים: חיפוי חוץ. חוזק מתיחה במשיכה צירית	SI 1555 part 3 section 5.1.3	---	

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<b>Group of Products: Construction Materials Raw and Products</b>							<b>משפחת מוצרים: חומרים ומוצרי בניה</b>		
<b>Physical Testing</b>							<b>בדיקות פיזיקליות</b>		
32	A	T	Interior cladding : Mosaic and ceramic	חיפוי פנים בהדבקה : פסיפס ואריחי קרמיקה	Installation of mosaic and ceramic flooring and cladding system in buildings: interior wall, Adhesion strength tests tension (pull-axial) Of cladding systems on all infrastructures, except for gypsum boards gypsum plaster and thermal plaster	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים : חיפוי פנים בהדבקה, חוזק הדבקות במתיחה של מערכות חיפוי על גבי כל התשתיות, למעט לוחות גבס ולמעט טיח גבס וטיח תרמי	SI 1555 part 2 section 4.2.1	---	
33	A	T	Interior cladding : Mosaic and ceramic	חיפוי פנים בהדבקה : פסיפס ואריחי קרמיקה	Installation of mosaic and ceramic flooring and cladding system in buildings: interior wall, Adhesion strength tests tension (pull-axial) Of cladding systems on gypsum boards, gypsum plaster and thermal plaster	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים : חיפוי פנים בהדבקה, חוזק הדבקות במתיחה של מערכות חיפוי על גבי לוחות גבס, טיח גבס וטיח תרמי	SI 1555 part 2 section 4.2.2	---	
34	A	T	Interior cladding : Mosaic and ceramic	חיפוי פנים בהדבקה : פסיפס ואריחי קרמיקה	Installation of mosaic and ceramic flooring and cladding system in buildings: interior wall, Adhesion strength tests tension (pull-axial) Of Tensile strength of the implementation layer in the intermediate layer (Mortar)	מערכת פסיפס ואריחי קרמיקה לריצוף ולחיפוי בניינים : חיפוי פנים בהדבקה, חוזק הדבקות במתיחה (במשיכה צירית) של הרקע או של הרקע ושכבת הביניים	SI 1555 part 2 section 5.2.4	---	

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Engineering Items - Buildings, Constructions, Infrastructure and Concrete</b>					<b>משפחת מוצרים: פריטים הנדסיים - מבנים, תשתיות ובטון</b>		
<b>Non Destructive Tests</b>					<b>בדיקות לא הורסות</b>		
35	A	P; T	Piles	כלונסאות Integrity testing by ultrasonic crosshole testing	בדיקת רציפות בשיטה על-קולית (אולטרסוניית)	ASTM-D-6760	--- ASTM= American Society for Testing and Materials
36	A	P; T	Piles	כלונסאות Low strain integrity testing	בדיקת רציפות בשיטה הד-קולית (סונית)	ASTM-D-5882	--- PEM Only

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Engineering Items - Buildings, Constructions, Infrastructure and Concrete</b>					<b>משפחת מוצרים: פריטים הנדסיים - מבנים, תשתיות ובטון</b>		
<b>Physical and Engineering Testing</b>					<b>בדיקות פיזיקליות והנדסיות</b>		
37	A	T	Suspended detachable ceiling	תקרות תותב פריקות Code of practice for the design and installation in shelters and protected areas	כללי תכן והתקנה במקלטים ובמרחבים מוגנים	SI 5103 pars 4 section 10	--- Meet the requirement of SI 1924
38	A	T	Suspended detachable ceiling	תקרות תותב פריקות Specification for performance of components and assemblies	דרישות תפקוד של רכיבים ומכלולים	SI 5103 part 3 section 8	--- Meet the requirement of SI 5103 part 2

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>		
<b>Pressure Vessel and Piping, Magnetic Particle Testing</b>					<b>מכלים וצנרת לחץ, בדיקת חלקיקים מגנטיים</b>		
39	A	T	Ferromagnetic metals	מתכות פרומגנטיות Nondestructive examination	בדיקות אל הרס ASME V article 7	---	Meets requirements: ASME I, ASME B31.1, ASME B31.3, ASME B31.8, ASME VIII, SI 4468 part 2 (API 650 paragraph 6 - tanks) ASME= American Society of Mechanical Engineering
40	A	T	Welding pipelines and related facilities	ריתוכי צנרת ומתקנים Nondestructive examination	בדיקות אל הרס API 1104 part 9	---	API= American Petroleum Institute

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>		
<b>Pressure Vessel and Piping, Ultrasonic Testing</b>					<b>מכלים וצנרת לחץ, בדיקות אולטרסוניות</b>		
41	A	T	Gas supply systems-welding steel pipework	מערכות אספקת גז- עבודות ריתוכי צנרת Nondestructive examination	בדיקות אל הרס EN 12732	---	

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>				
<b>Pressure Vessel and Piping, Ultrasonic Testing</b>					<b>מכלים וצנרת לחץ, בדיקות אולטרסוניות</b>				
42	A	T	Light and dense metals including castings, forgings and weldments	מתכות קלות וכבדות כולל יציקות, חישולים וריתוכים	Nondestructive examination	בדיקות אל הרס	ASME V articles 4,5	---	In the frequency range: 20 kHz – 20 MHz  Meets requirements regarding the materials/products tested as in: ASME I, ASME VIII, ASME B31.1, ASME B31.3, ASME B31.8
43	A	T	Light and dense metals including castings, forgings and weldments	מתכות קלות וכבדות כולל יציקות, חישולים וריתוכים	Requirements for steel pipeline transportation systems	דרישות למערכות החולכת גז מצנרת פלדה	NEN 3650	---	In the frequency range: 20 kHz – 20 MHz

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks		
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>				
<b>Industrial Products, Magnetic Particle Testing</b>					<b>מוצרי תעשייה, בדיקת חלקיקים מגנטיים</b>				
44	A	P; T	Ferromagnetic metals	מתכות פרומגנטיות	Magnetic particle examination	בדיקת חלקיקים מגנטיים	ASTM-E-1444	---	Meets requirements SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AWS D1.1 ASTM= American Society for Testing and Materials-SI= Israeli Standards AWS= American Welding Society

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<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>			
<b>Industrial Products, Magnetic Particle Testing</b>					<b>מוצרי תעשייה, בדיקת חלקיקים מגנטיים</b>			
45	A	P; T	Ferromagnetic metals	מתכות פרומגנטיות Magnetic particle examination	בדיקת חלקיקים מגנטיים ASTM-E-709	---	Meets requirements SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AWS D1.1	
46	A	P; T	Ferromagnetic metals	מתכות פרומגנטיות Magnetic particle examination for steel forgings	בדיקת חלקיקים מגנטיים לפלדה מחושלת ASTM-A-275	---	Meets requirements SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AWS D1.1	
47	A	P; T	Ferromagnetic metals	מתכות פרומגנטיות Magnetic particle examination	בדיקת חלקיקים מגנטיים EN 1290	---	EN= European Standards	

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>			
<b>Industrial Products, Ultrasonic Testing</b>					<b>מוצרי תעשייה, בדיקות אולטראסוניות</b>			
48	A	P; T	Light and dense metals including castings, forgings and weldments including aerospace structures components	מתכות קלות וכבדות הכוללים יציקות, חישולים, ריתוכים ורכיבי מבנים תעופתיים Measuring thickness by manual ultrasonic pulse-echo contact method	קביעת עובי בשיטה האולטראסונית במגע בטכניקת פולס-אקו ASTM-E-797	---	In the frequency range: 500 kHz – 20 MHz, 100 kHz – 25 MHz	

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>			
<b>Industrial Products, Ultrasonic Testing</b>					<b>מוצרי תעשייה, בדיקות אולטרסוניות</b>			
49	A	P; T	Light and dense metals including castings, forgings and weldments including aerospace structures components	מתכות קלות וכבדות הכוללים ריתוכים, חישולים, ורכיבי מבנים תעופתיים Metal pipe and tubing	בדיקת צנרת מתכתית	ASTM-E-213	--- In the frequency range: 500 kHz – 20 MHz	
50	A	P; T	Light and dense metals including castings, forgings and weldments including aerospace structures components	מתכות קלות וכבדות הכוללים יציקות, חישולים, ריתוכים ורכיבי מבנים תעופתיים Measuring ultrasonic velocity in materials	בדיקת מהירות אולטרסונית בחומרים	ASTM-E-494	--- In the frequency range: 500 kHz – 20 MHz	
51	A	P; T	Light and dense metals including castings, forgings and weldments including aerospace structures components	מתכות קלות וכבדות הכוללים יציקות, חישולים, ריתוכים ורכיבי מבנים תעופתיים Ultrasonic angle-beam examination by the contact method	בדיקת קרן אולטרסונית באלומה זוויתית בשיטת מגע	ASTM-E-587	--- In the frequency range: 500 kHz – 20 MHz Meets requirements regarding the materials/products tested as in: SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AMS-STD-2154, AWS D1.1 section 6	
52	A	P; T	Light and dense metals including castings, forgings and weldments including aerospace structures components	מתכות קלות וכבדות הכוללים יציקות, חישולים, ריתוכים ורכיבי מבנים תעופתיים Ultrasonic pulse-echo straight-beam examination by the contact method	בדיקת אולטרסונית באלומה ישרה בשיטת מגע	ASTM-E-114	--- In the frequency range: 500 kHz – 20 MHz Meets requirements regarding the materials/products tested as in: SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AMS-STD-2154, AWS D1.1 section 6	

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<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>					<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>				
<b>Industrial Products, Ultrasonic Testing</b>					<b>מוצרי תעשייה, בדיקות אולטרסוניות</b>				
53	A	T	Light and dense metals including weldments	מתכות קלות וכבדות הכוללים ריתוכים	Weld zone of welded pipe and tubing	בדיקת אזור הריתוך בצנרת	ASTM-E-273	---	In the frequency range: 500 kHz – 20 MHz Meets requirements regarding the materials/products tested as in: SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AMS-STD-2154, AWS D1.1 section 6
54	A	T	Light and dense metals including weldments including aerospace structures components	מתכות קלות וכבדות הכוללים ריתוכים ורכיבי מבנים תעופתיים	Ultrasonic contact examination of weldments	בדיקת מגע אולטרסונית של ריתוכים	ASTM-E-164	---	In the frequency range: 500 kHz – 20 MHz Meets requirements regarding the materials/products tested as in: SI 1225 section 11.9.6, SI 127 part 1 section 7.4, AMS-STD-2154, AWS D1.1 section 6
55	A	P:T	Metallic members	חלקים מתכתיים	Ultrasonic testing	בדיקות אולטרסוניות	AMS-STD-2154	---	In the frequency range: 100 kHz – 20 MHz
56	A	T	Weldments	ריתוכים	Ultrasonic testing	בדיקות אולטרסוניות	EN 1714	---	In the frequency range: 1 MHz – 10 MHz
57	A	P:T	Bridge welding	ריתוכי גשרים	Nondestructive examination	בדיקות אל הרס	AWS D1.5	---	AWS= American Welding Society

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<b>Group of products: Engineering Items, Non Destructive Test (NDT)</b>				<b>משפחת מוצרים: פריטים הנדסיים, בדיקות לא הורסות (NDT)</b>			
<b>Industrial Products, Ultrasonic Testing</b>				<b>מוצרי תעשייה, בדיקות אולטראסוניות</b>			
58	A	P:T	Light and dense metals including weldments including aerospace structures components	מתכות קלות וכבדות הכוללים ריתוכים ורכיבי מבנים תעופתיים	Detection and evaluation of discontinuities by the immersed pulse-echo ultrasonic method using longitudinal	קביעת אי רציפויות בשיטת פולס-אקו"	ASTM-E-1001 --- In the frequency range: 100 kHz – 25 MHz
59	A	P: T	Light and dense metals including weldments including aerospace structures components	מתכות קלות וכבדות הכוללים ריתוכים ורכיבי מבנים תעופתיים	Immersed ultrasonic testing by the reflection method using pulsed longitudinal waves	בדיקה אולטראסונית לחלקים טבולים בשיטת ההחזרה על ידי גלים עם פעימה אורכית	ASTM -E- 214 ---- In the frequency range: 100 kHz – 25 MHz
60	A	P: T	Light and dense metals including castings, forgings and weldments	מתכות קלות וכבדות כולל יציקות, חיטולים וריתוכים	Nondestructive examination	בדיקות אל הרס	ASME V articles 4 --- In the frequency range: 20 kHz – 20 MHz
61	A	P: T	Structural welding steel	ריתוכי קונסטרוקציות פלדה	Nondestructive examination	בדיקות אל הרס	ASME V articles 4 --- ASME = American Society of Mechanical Engineering In the frequency range: 20 kHz – 20 MHz

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<b>Group of products: Fire &amp; Rescue – Fire Extinguishing Systems, Water Based</b>					<b>משפחת מוצרים: כבאות והצלה - מערכות כיבוי אש על בסיס מים</b>			
<b>System Planning &amp; Proper Installation</b>					<b>בדיקת תכנון ותקינות התקנה</b>			
62	A	T	Water-based fire protection systems	מערכות לכיבוי אש במים Water flow in water network & hydrants.	בדיקת ספיקה לרשת מים והידרנטים NFPA 13 Annex A sec. 25.2.6.1	---	NFPA= National Fire Protection Association	

Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Soil and Paving</b>					<b>משפחת מוצרים: קרקע וסלילה</b>			
<b>Base Construction</b>					<b>ביסוס המבנה</b>			
63	A	P	Cohesive Soils	קרקעות קוהזיביות Consolidated Undrained Triaxial Compression (CU)	גזירה מרחבית בלתי מנוקזת לאחר קונסולידציה (CU) ASTM-D-4767	---		
64	A	P	Cohesive soils	קרקעות קוהזיביות One-dimensional swell or settlement potential	פוטנציאל לתפיחה או לשקיעה חד צירית ASTM-D-4546	---		
65	A	P	Cohesive soils	קרקעות קוהזיביות Unconfined compressive strength	חוזק הלחיצה בלא כלוא ASTM-D-2166	---		
66	A	P	Cohesive soils	קרקעות קוהזיביות Unconsolidated-undrained triaxial compression test (UU)	גזירה מרחבית בלתי מנוקזת ללא קונסולידציה (UU) ASTM-D-2850	---		
67	A	P	Essentially saturated peat	קרקעות אורגניות Hydraulic conductivity	מוליכות הידראולית ASTM-D-4511	---		
68	A	P	Granular Soils	קרקעות גרנולריות Permeability (Constant head)	חדירות בשיטת עומד קבוע ASTM-D-2434	---		

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<b>Group of products: Soil and Paving</b>						<b>משפחת מוצרים: קרקע וסלילה</b>		
<b>Base Construction</b>						<b>ביסוס המבנה</b>		
69	A	P	Intact rock core specimens	גלעיני סלע שלמים	Splitting tensile strength	חוזק למתיחה בבקיעה	ASTM-D-3967	---
70	A	P	Intact Rock Core Specimens	גלעיני סלע שלמים	Unconfined compressive strength	חוזק הלחיצה בלא כלוא	ASTM-D-7012 method C	---
71	A	P	Rock	סלע	Determination of the point load strength index	בדיקת אינדקס חוזק נקודתי	ASTM-D-5731	---
72	A	T	Rock core	גלעיני סלע	Core drilling and sampling for site investigation	קידוח גלעיני סלע לחקירת אתר	ASTM-D-2113	---
73	A	P; T	Rock core	גלעיני סלע	Determining rock quality designation (RQD)	שיטה לקביעת איכות גלעיני סלע	ASTM-D-6032	---
74	A	T	Rock core samples	דוגמאות גלעיני סלע	Preserving and transporting	אריזה והובלה	ASTM-D-5079	---
75	A	P	Shales and similar weak rocks	סלע רך	Slake durability	עמידות סלע רך לשחיקה במים	ASTM-D-4644	---
76	A	P	Soil	קרקעות	Description and identification (visual-manual procedure)	מיון קרקעות למטרות הנדסה אזרחית בתהליך ויזואלי ידני	ASTM-D-2488	---
77	A	P	Soil	קרקעות	Direct shear test under consolidated drained conditions	גזירה ישירה מנוקזת לאחר קונסולידציה	ASTM-D-3080	---
78	A	T	Soil	קרקעות	Dynamic cone penetration (DCP)	חדירת חרוט דינמית	In house procedure	---
79	A	T	Soil	קרקעות	Investigation and sampling by auger borings	דגימה בעזרת מקדח אוגר לצרכי חקירת קרקע	ASTM-D-1452	---

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Soil and Paving</b>				<b>משפחת מוצרים : קרקע וסלילה</b>			
<b>Base Construction</b>				<b>ביסוס המבנה</b>			
80	A	P	Soil	קרקעות Measurement of collapse potential	בדיקה לקביעת פוטנציאל להתמוטטות (מייט) ASTM-D-5333; 2012	---	
81	A	P	Soil	קרקעות One-dimensional consolidation properties	קונסולידציה חד צירית ASTM-D-2435	---	
82	A	T	Soil	קרקעות Thin-walled tube sampling for geotechnical purposes	נטילת מדגם קרקע בלתי מופר ע"י צינור דק דופן בעזרת מכונת קידוח ASTM-D-1587	---	
83	A	P; T	Soil nail walls	ברגי קרקע וסלע Monitoring soils nail walls	בקרת ברגי עיגון FHWA SA-96-069-R	---	FHWA= Federal Highway Administration
84	A	T	Soil samples	מזגמי קרקע Preserving and transporting	אריזה והובלה ASTM-D-4220	---	
85	A	T	Soils	קרקעות Prebored pressuremeter testing	בדיקת פרסיומטר ASTM-D-4719	---	
86	A	P	Soils for civil engineering purposes	קרקעות למטרות הנדסיות Shear strength tests (total stress)	חוזק גזירה BS 1377 part 7	---	BS= British Standards

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Item	Scope Type	Site	Materials / Products Tested		Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Soil and Paving - Asphalts and Bitumen</b>					<b>משפחת מוצרים: קרקע וסלילה - אספלט וביטומן</b>				
<b>Chemical and Physical Testing</b>					<b>בדיקות כימיות ופיזיקליות</b>				
87	A	P	Asphalts (Bitumen)	אספלט (ביטומן)	Determination of optimal content	קביעת תכולה אופטימלית	Asphalt institute manual ms. 2	---	Asphalt mixtures design
88	A	P	Bituminous mixture	תערובות ביטומנית	Resistance to plastic flow using Marshall apparatus	התנגדות לזרימה פלסטית בשיטת מרשל	ASTM-D-1559-89	---	
89	A	P	Bituminous Paving Mixture	תערובות סלילה ביטומניות	Maximum Specific Gravity and Density Using Automatic Vacuum Sealing Method	משקל סגולי וצפיפות מקסימלית בשיטת איטום בוואקום	ASTM -D6857	---	
90	A	P	Bituminous paving mixtures	תערובות סלילה ביטומניות	Moisture or volatile distillates content	תכולת רטיבות	ASTM-D-1461	---	
91	A	P	Bituminous paving mixtures	תערובות סלילה ביטומניות	Quantitative extraction from bituminous paving mixtures: Cold extraction	בדיקת התכולה הכמותית בתערובת אספלטית: מיצוי קר	ASTM-D-2172 Method A	---	
92	A	P	Bituminous paving mixtures	תערובות סלילה ביטומניות	Quantitative extraction from bituminous paving mixtures: Hot extraction	בדיקת התכולה הכמותית בתערובת אספלטית: מיצוי חם	BS 598 part 102	---	
93	A	T	Bituminous paving mixtures	תערובות סלילה ביטומניות	Sampling	נטילת המדגם המייצג	ASTM-D-979	---	
94	A	P	Bituminous paving mixtures	תערובות סלילה ביטומניות	Theoretical maximum specific gravity and density	משקל סגולי וקביעת הצפיפות המקסימלית התיאורטית	ASTM-D-2041	---	
95	A	P	Compacted Bituminous Mixtures	תערובות ביטומניות מהודקות	Bulk Specific Gravity and Density Using Automatic Vacuum Sealing Method	משקל סגולי וצפיפות ממשית בשיטת איטום בוואקום	ASTM-D6752	---	
96	A	P	Compacted bituminous paving mixture specimens	דוגמאות של תערובות סלילה ביטומניות מהודקות	Thickness or height	עובי או גובה	ASTM-D-3549	---	

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<b>Group of products: Soil and Paving - Asphalts and Bitumen</b>						<b>משפחת מוצרים: קרקע וסלילה - אספלט וביטומן</b>		
<b>Chemical and Physical Testing</b>						<b>בדיקות כימיות ופיזיקליות</b>		
97	A	P	Compacted dense and open bituminous paving mixtures	תערובות אספלט ביטומניות מהודקות לסלילה ופתוחות	Percent air voids	אחוז החלל	ASTM-D-3203	---
98	A	P; T	Hot asphalt mixtures	תערובות אספלטיות חמות	Stability, plastic flow and density using Marshall apparatus	בדיקת יציבות, נזילות וצפיפות בשיטת מרשל	SI 362 appendix A	---
99	A	P	Non-absorptive compacted bituminous mixtures	תערובות אספלט ביטומניות לא סופגות	Bulk specific gravity and density	משקל סגולי וצפיפות	ASTM-D-2726	---

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<b>Group of products: Soil and Paving - Soil, Aggregates and Water</b>						<b>משפחת מוצרים: קרקע וסלילה - קרקע אגרגטים ומים</b>		
<b>Chemical and Physical Testing</b>						<b>בדיקות כימיות ופיזיקליות</b>		
100	A	P; T; P1; T1	Aggregates	אגרגטים	Clay lumps and friable particles	אחוז בולי חרסית	ASTM-C-142	---
101	A	P; T; P1; T1	Aggregates	אגרגטים	Clay lumps and friable particles	אחוז בולי חרסית	SI 1865 part 2 chapter 7	Based on ASTM -C- 142 Meet the requirement of SI 3
102	A	P	Aggregates	אגרגטים	Determination crushing value (ACV)	קביעת שיעור הגריסות בשיטה הבריטית	BS 812 part 110	---
103	A	P	Aggregates	אגרגטים	Determination crushing value (ACV)	קביעת שיעור הגריסות בשיטה הבריטית	SI 1865 part 2 chapter 9	Based on BS 812 part 110 Meet the requirement of SI 3

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<b>Group of products: Soil and Paving - Soil, Aggregates and Water</b>					<b>משפחת מוצרים: קרקע וסלילה - קרקע אגרגטים ומים</b>			
<b>Chemical and Physical Testing</b>					<b>בדיקות כימיות ופיזיקליות</b>			
104	A	P	Aggregates	אגרגטים Determination of Aggregates of Resistance to Wear Using Micro-Deval Method	קביעת שיעור ההתנגדות לשחיקה של אגרגט בשיטת מיקרו-דיוול	BS EN 1097 – 1	---	
105	A	P	Aggregates	אגרגטים Determination of Micro-Deval Resistance to Wear of Railway Ballast	קביעת התנגדות לשחיקה, עבור רבד חצץ למסילת ברזל, בשיטת מיקרו-דיוול	EN 13450	---	
106	A	T; T1; T2; T3	Aggregates	אגרגטים Practice for sampling	נטילת מדגמי קרקע	ASTM-D-75	---	
107	A	T; T1; T2; T3	Aggregates	אגרגטים Practice for sampling	נטילת מדגמי קרקע	SI 1865 part 2 chapter 2	Based on ASTM D 75	
108	A	P; T; P1; T1; P2; T2; P3; T3	Aggregates	אגרגטים Reducing samples to testing size	חציית מדגמי קרקע	ASTM-C-702	---	
109	A	P; T; P1; T1; P2; T2; P3; T3	Aggregates	אגרגטים Reducing samples to testing size	הכנת דוגמאות לבדיקה (חציית מדגמים)	SI 1865 part 2 chapter 3	Based on ASTM- C -702	
110	A	P; T; P1; T1; P3; T3	Coarse aggregate	אגרגט גס Determination of particle shape: elongation index	קביעת צורת הגרגירים: מדד המאורכות	SI 1865 part 2 chapter 11	Based on BS 812 part 105 sec 105.2 Meet the requirement of SI 3	
111	A	P; T; P1; T1; P3; T3	Coarse aggregate	אגרגט גס Determination of particle shape: flakiness index	קביעת צורת הגרגירים: מדד הפחיסות	SI 1865 part 2 chapter 10	Based on BS 812 part 105 sec 105.1 Meet the requirement of SI 3	

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<b>Group of products: Soil and Paving - Soil, Aggregates and Water</b>					<b>משפחת מוצרים: קרקע וסליה - קרקע אגרגטים ומים</b>			
<b>Chemical and Physical Testing</b>					<b>בדיקות כימיות ופיזיקליות</b>			
112	A	P; P1; P3	Coarse aggregates	אגרגטים גסים Density, relative density (specific gravity), and absorption	צפיפות, משקל סגולי וספיגות	ASTM-C-127	---	
113	A	P; T; P1; T1; P3; T3	Coarse aggregates	אגרגטים גסים Determination of particle shape: elongation index	קביעת צורת הגרגרים: מדד המאורכות	BS 812 part 105.2	---	
114	A	P; T; P1; T1; P3; T3	Coarse aggregates	אגרגטים גסים Determination of particle shape: flakiness index	קביעת צורת הגרגרים: מדד הפחיסות	BS 812 part 105.1	---	
115	A	T	Cohesive soils	קרקעות קוהזיביות Field vane shear test	בדיקת מכנף שדה לגזירה	ASTM-D-2573	---	
116	A	P; T; P1; T1; P2; T2; P3; T3	Fine aggregates	אגרגטים דקים Amount of material finer than the no. 200 (75-um) sieve	קביעת כמות הדקים עוברים נפה 75 מ"מ (מספר 200)	ASTM-C-117	---	
117	A	P; T; P1; T1; P2; T2; P3; T3	Fine aggregates	אגרגטים דקים Amount of material finer than the no. 200 (75-um) sieve	קביעת כמות הדקים עוברים נפה 75 מ"מ (מספר 200)	ASTM-D-1140	---	
118	A	P; T; P1; T1; P2; T2; P3; T3	Fine aggregates	אגרגטים דקים Amount of material finer than the no. 200 (75-um) sieve	קביעת כמות הדקים עוברים נפה 75 מ"מ (מספר 200)	SI 1865 part 2 chapter 6	Based on ASTM- C-117 Meet the requirement of SI 3	
119	A	P; P1	Fine aggregates	אגרגטים דקים Density, relative density (specific gravity), and absorption	צפיפות, משקל סגולי וספיגות	ASTM-C-128	---	

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<b>Chemical and Physical Testing</b>					<b>בדיקות כימיות ופיזיקליות</b>			
120	A	P; P1	Fine and coarse aggregates	אגרגטים דקים וגסים Density, relative density (specific gravity), and absorption	צפיפות, משקל סגולי וספיגות	SI 1865 part 2 chapter 4	--- Based on ASTM -C-127, ASTM- C-128 Meet the requirement of SI 3	
121	A	P	Fine and coarse aggregates	אגרגטים דקים וגסים Resistance of Coarse Aggregates to Degradation by Abrasion in the Micro-Deval Apparatus	קביעת שיעור ההתנגדות לשחיקה של אגרגט במכשיר מיקרו-דיוול	ASTM D 6928	---	
122	A	P	Fine and coarse aggregates	אגרגטים דקים וגסים Resistance to degradation by abrasion and impact in the Los Angeles machine	שיעור שחיקה בשיטת לוס אנג'לס	SI 1865 part 2 chapter 8	--- Based on ASTM C 535, C 131 Meet the requirement of SI 3	
123	A	P; T; P1; T1; P2; T2; P3; T3	Fine and coarse aggregates	אגרגטים דקים וגסים Sieve analysis	ניפוי	ASTM-C-136	---	
124	A	P; T; P1; T1; P2; T2; P3; T3	Fine and coarse aggregates	אגרגטים דקים וגסים Sieve analysis	ניפוי	SI 1865 part 2 chapter 5	--- Similar to ASTM -C- 136 Meet the requirement of SI 3	
125	A	P	Organic soils and peat	קרקעות אורגניות וכבול Moisture, Ash, and Organic Matter	תכולת לחות, אבק וחומרים אורגניים	ASTM-D-2974	---	
126	A	P	Small-size coarse aggregates	אגרגטים גסים קטני מימד Resistance to degradation by abrasion and impact in the los angeles machine	שיעור שחיקה בשיטת לוס אנג'לס	ASTM-C-131	---	
127	A	P; T	Soil	קרקעות Classification for engineering purposes (unified soil classification system)	מיון קרקעות למטרות הנדסה אזרחית	ASTM-D-2487	---	

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<b>Chemical and Physical Testing</b>				<b>בדיקות כימיות ופיזיקליות</b>			
128	A	P; T; P1; T1; P3; T3	Soil	קרקעות Compaction characteristics using modified effort	בדיקת יחסי צפיפות רטיבות בשיטת מודיפייד	ASTM-D-1557	---
129	A	T; T1; T3	Soil	קרקעות DCP- South African pick	דקר דרום אפריקאי	ASTM-D-6951	Based on: Prof. M. Livneh, Transportation Research Institute
130	A	P; P1; P3	Soil	קרקעות Determination of free expansion in a measuring tube	קביעת תפיחה חופשית במשורה	PWD 13.110	---
131	A	P; P1	Soil	קרקעות Determination of Water (Moisture) Content of Soil By Direct Heating	תכולת מים (רטיבות) של קרקעות בחימום ישיר	SI 1865 part 3 chapter 8	Based on ASTM D 4959
132	A	P; T	Soil	קרקעות Particle-size analysis	אנליזה מכנית	ASTM-D-422	Meet the requirement of IS 3
133	A	T	Soil	קרקעות Penetration test and split-barrel sampling	בדיקת החדרה תקנית ודגימת קרקע בגליל מפוצל (SPT)	ASTM-D-1586	---
134	A	P; T; P1; T1	Soil	קרקעות Specific gravity by water pycnometer	משקל סגולי	ASTM-D-854	---
135	A	P; T; P1; T1; P3; T3	Soil and aggregates	קרקעות ואגרגטים Compaction characteristics using Modified Effort	בדיקת יחסי צפיפות רטיבות בשיטת מודיפייד	SI 1865 part 3 chapter 2	Based on ASTM D 1557, ASTM D 698
136	A	P	Soil and Aggregates	קרקעות ואגרגטים Determination of maximum density index of soil	קביעת אינדקס צפיפות מקסימאלית של קרקעות	ASTM D 4253	---
137	A	P	Soil and Aggregates	קרקעות ואגרגטים Determination of minimum density index of soil	קביעת אינדקס צפיפות מינימאלית של קרקעות	ASTM D 4254	---

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<b>Chemical and Physical Testing</b>				<b>בדיקות כימיות ופיזיקליות</b>				
138	A	P; P1; P3	Soil and fine aggregates	קרקע ואגרגטים דקים Sand equivalent value	בדיקת שווה ערך חול SI 1865 part 3 chapter 6	---	Based on ASTM D 2419	
139	A	P; P1; P2; P3	Soil and rock	קרקע וסלע Laboratory determination of water (moisture) content	תכולת מים במעבדה ASTM-D-2216	---	Included Bentonite suspension and powder לרבות אבקה ותרחיף בנטונייט	
140	A	P	Soil and Soil-Aggregate	קרקע ואגרגטים Stiffness and apparent modulus by an electro-mechanical method	מדידה באתר של קשיחות ומודולוס של קרקע בשיטה אלקטרומכנית ASTM-D-6758	---		
141	A	P	Soil and soil-aggregate mixtures	קרקעות ותערובות קרקע ואגרגט CBR (California Bearing Ratio)	מנת תסבולת קליפורניית במצב רוויה ASTM-D-1883	---	The compaction based on: ASTM-D-1557 method D	
142	A	P; T; P1; T1; P3; T3	Soil samples	מדגמי קרקע Dry preparation for particle-size analysis and determination of soil constants	הכנה לבדיקת הדירוג וגבולות הסומך בשיטה יבשה ASTM-D-421	---		
143	A	P; T; P1; T1; P3; T3	Soil samples	מדגמי קרקע Wet preparation for particle-size analysis and determination of soil constants	הכנה לבדיקת הדירוג וגבולות הסומך בשיטה רטובה ASTM-D-2217	---		
144	A	P; T; P1; T1; P2; T2; P3; T3	Soil, aggregates and soil-aggregate mixtures	קרקעות, אגרגטים ותערובות קרקע-אגרגט Density and unit weight of soil in place by the sand-cone method	צפיפות קרקע בשיטת חרוט החול ASTM-D-1556	---		

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Item	Scope Type	Site	Materials / Products Tested	Types of Test / Properties Measured	Standard / Method	Opinion and Interpretation	Remarks
<b>Group of products: Soil and Paving - Soil, Aggregates and Water</b>					<b>משפחת מוצרים: קרקע וסליה - קרקע אגרגטים ומים</b>		
<b>Chemical and Physical Testing</b>					<b>בדיקות כימיות ופיזיקליות</b>		
145	A	P; T; P1; T1; P2; T2; P3; T3	Soil, aggregates and soil-aggregate mixtures	קרקעות, אגרגטים ותערובות קרקע-אגרגט Density by the sand-cone method in situ	קביעת הצפיפות באתר בשיטת חרוט החול SI 1865 part 3 chapter 4	---	Based on ASTM D 1556
146	A	P; T; P1; T1; P3; T3	Soil, aggregates and soil-aggregate mixtures	קרקעות, אגרגטים ותערובות קרקע-אגרגט Density in place by the drive-cylinder method	קביעת הצפיפות בעזרת גליל מיוחד SI 1865 part 3 chapter 3	---	Based on ASTM D 2937
147	A	P; T; P1; T1; P3; T3	Soil, aggregates and soil-aggregate mixtures	קרקעות, אגרגטים ותערובות קרקע-אגרגט Density soil in place by the drive-cylinder method	צפיפות קרקע בעזרת גליל מיוחד ASTM-D-2937	---	
148	A	T; T1; T2; T3	Soil, aggregates and soil-aggregate mixtures	קרקע, אגרגטים ותערובות קרקע ואגרגטים In situ test of density by nuclear gauge	בדיקה באתר של צפיפות הקרקע במד גרעיני SI 1865 part 3 chapter 5	---	Based on SI 1454
149	A	P; T	Soils	קרקעות Classification for civil engineering purposes: general matters	מיון קרקעות למטרות הנדסה אזרחית: עניינים כלליים SI 253 chapter A	---	
150	A	P; T	Soils	קרקעות Classification for civil engineering purposes: Laboratory classification and visual classification	מיון קרקעות למטרות הנדסה אזרחית: מיון במעבדה ומיון חזותי SI 253 chapter B	---	
151	A	P; T; P1; T1	Soils	קרקעות Classification for civil engineering purposes: Visual classification	מיון קרקעות למטרות הנדסה אזרחית: מיון חזותי SI 253 chapter C	---	
152	A	T; T1; T2; T3	Soils	קרקעות In situ test of density and moisture content of soil by nuclear gauge	בדיקה באתר של צפיפות הקרקע ורטיבותה במד גרעיני SI 1454	---	

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<b>Group of products: Soil and Paving - Soil, Aggregates and Water</b>				<b>משפחת מוצרים: קרקע וסלילה - קרקע אגרגטים ומים</b>			
<b>Chemical and Physical Testing</b>				<b>בדיקות כימיות ופיזיקליות</b>			
153	A	P; P1; P3	Soils	קרקעות Liquid limit, plastic limit, and plasticity index	גבולות נוילות, גבול פלסטיות ואינדקס הפלסטיות	---	Meet the requirement of IS 3
154	A	P; P1; P3	Soils and fine aggregate	קרקעות ואגרגטים דקים Sand equivalent value	בדיקת שווה ערך חול	---	
155	A	P	Soils and soil-aggregate mixtures	קרקעות ותערובות קרקע ואגרגט CBR (California Bearing Ratio)	מנת תסבולת קליפורניית במצב רוויה	---	Based on ASTM D 1883 The compaction based on: ASTM-D-1557 method D
156	A	P; T	Soils and soil-aggregate mixtures	קרקעות ותערובות קרקע ואגרגט Classification of Soils for highway construction purpose	מיון קרקעות למטרת בניית כבישים ראשיים	---	Based on: AASHTO
157	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Density	צפיפות	---	Based on: API series 13 – Drilling fluid materials
158	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Homogeneity	הומוגניות	---	Based on: PWD Specification for paving and bridging section 61
159	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) PH	pH	---	Based on: API series 13 – Drilling fluid materials API= American Petroleum Institute
160	A	T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Sampling	נטילת המדגם המייצג	---	Based on: API series 13 – Drilling fluid materials
161	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Sand content	תכולת חול	---	Based on: API series 13 – Drilling fluid materials
162	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Strength by shearometer	חוזק על ידי מד גזירה	---	Based on: API series 13 – Drilling fluid materials
163	A	P; T	Water-based fluids (Bentonite suspension)	נוזלים מבוססים על מים (תרחיף בנטונייט) Viscosity: Marsh funnel	בדיקת צמיגות על ידי משפך מארש	---	Based on: API series 13 – Drilling fluid materials

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Item	Site	Field	Type of Activity	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Construction - Building Systems</b>				<b>משפחת מוצרים: בניה - מערכות הבניין</b>			
<b>Design and Installation, Gas Installations for Residential Buildings</b>				<b>תכנן והתקנה, מתקני גז למבני מגורים</b>			
164	T	Installations of liquefied petroleum gases (LPG) testing	מתקנים לגזים פחמימניים מעובים (גפ"מ): בדיקות	All activities specified in the standard	השיטות המפורטות בתקן	SI 158 part 4	---
165	T	Installations for liquefied hydrocarbon gases petroleum gases (LPG) storage	מתקנים לגזים פחמימניים מעובים (גפ"מ): מאגרים	All activities specified in the standard	השיטות המפורטות בתקן	SI 158 part 1	---
166	T	Installations for liquefied petroleum gases (LPG) installation of lpg consuming appliances	מתקנים לגזים פחמימניים מעובים (גפ"מ): התקנת מכשירים צורכי גפ"מ	All activities specified in the standard	השיטות המפורטות בתקן	SI 158 part 3	---
167	T	Installations for liquefied petroleum gases (LPG)	מתקנים לגזים פחמימניים מעובים: התקנות	All activities specified in the standard	השיטות המפורטות בתקן	SI 158 part 2	---

Item	Site	Field	Type of Activity	Standard / Method	Opinion and Interpretation	Remarks	
<b>Group of products: Construction - Building Systems</b>				<b>משפחת מוצרים: בניה - מערכות הבניין</b>			
<b>Design and Installation, Sanitary Systems</b>				<b>תכנן והתקנה, מערכות סניטריות</b>			
168	T	Sanitary systems plumbing systems: The building sewerage and the building water drainage	מתקני תברואה - מערכות שרברבות: ביוב הבניין ותיעול הבניין	All activities specified in the standard	השיטות המפורטות בתקן	SI 1205 part 4	---

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<b>Group of products: Construction - Building Systems</b>				<b>משפחת מוצרים: בניה - מערכות הבניין</b>			
<b>Design and Installation, Sanitary Systems</b>				<b>תכנון והתקנה, מערכות סניטריות</b>			
169	T	Sanitary systems plumbing systems: Plumbing fixtures and their accessories	מתקני תברואה - מערכות שרברבות: מערכות שרברבות קבועות שרברבות ואבזריהן	All activities specified in the standard	השיטות המפורטות בתקן	SI 1205 part 3	---
170	T	Sanitary systems plumbing systems: Drainage system	מתקני תברואה - מערכות שרברבות: מערכת הנקזים	All activities specified in the standard	השיטות המפורטות בתקן	SI 1205 part 2	---
171	T	Sanitary systems plumbing systems: Cold and hot water supply system	מתקני תברואה - מערכות שרברבות: מערכת הספקת מים קרים וחמים	All activities specified in the standard	השיטות המפורטות בתקן	SI 1205 part 1	---
172	T	Sanitary systems plumbing systems: Air-raid shelters	מתקני תברואה - מערכות שרברבות: מערכת הספקת מים קרים וחמים	All activities specified in the standard	השיטות המפורטות בתקן	SI 1205 part 5	---
173	T	Sanitary systems plumbing systems	מתקני תברואה- מערכות שרברבות	General	כללי	SI 1205 part 0	---
174	T	Sanitary systems plumbing systems	מתקני תברואה- מערכות שרברבות	Inspection methods	שיטות בדיקה	SI 1205 part 6	---

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<b>Group of products: Construction - Building Systems</b>				<b>משפחת מוצרים: בניה - מערכות הבניין</b>				
<b>Design and Installation, Solar Systems</b>				<b>תכן והתקנה, מערכות סולריות</b>				
175	T	Solar water heating systems: Central systems in buildings	מערכות סולאריות לחימום מים: מערכות מרכזיות בבניינים	All activities specified in the standard	השיטות המפורטות בתקן	SI 579 part 5	---	
176	T	Solar water heating systems: Thermosiphonic systems	מערכות סולאריות לחימום מים: מערכות תרמוסיפוניות	Design, installation and testing	תכן, התקנה ובדיקה	SI 579 part 4	---	

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<b>Group of Products: Fire &amp; Rescue – Fire Detection Systems, Alternative Extinguishing Systems</b>				<b>משפחת מוצרים: כבאות והצלה - מערכות גילוי אש וכיבוי אלטרנטיבי</b>				
<b>System Planning &amp; Proper Installation</b>				<b>בדיקת תכנון ותקינות התקנה</b>				
177	T	Aerosol fire extinguishing systems	מערכות לכיבוי אש בארסול	Installation	התקנה	SI 5210	---	
178	T	Clean agent automatic fire extinguishing systems	מערכות כיבוי אש אוטומטיות בגז כיבוי	Installation	תכנון והתקנה	SI 1597	---	
179	T	Clean agent fire extinguishing systems	מערכות כיבוי אש בחומרים נקיים (גז)	Installation	תכנון	NFPA 2001	---	
180	T	Fire detection systems	מערכות גילוי אש	Installation instructions and general requirements	הוראות התקנה ודרישות כלליות	SI 1220 part 3	---	
181	T	Fire protective signaling systems	מערכות גילוי אש: גלאי עשן עצמאיים	Installation instructions and general requirements	הוראות התקנה ודרישות כלליות	SI 1220 part 5	---	

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<b>Group of products: Fire &amp; Rescue – Fire Extinguishing Systems, Water Based</b>				<b>משפחת מוצרים: כבאות והצלה - מערכות כיבוי אש על בסיס מים</b>			
<b>System Planning &amp; Proper Installation</b>				<b>בדיקת תכנון ותקינות התקנה</b>			
182	P; T	Sprinkler systems, water-based	מערכות מתזים על בסיס מים	Installation	תכנון והתקנה	---	ההסמכה אינה כוללת בדיקה של תכנון והתקנה למערכות כיבוי בקצף
					SI 1596 מוגבל למערכת רטובה בלבד עד רמת סיכון OH-2 כולל		
183	T	Water-based fire protection systems	מערכות לכיבוי אש במים	Fire pumps	משאבות כיבוי אש	---	
184	T	Water-based fire protection systems	מערכות לכיבוי אש במים	General information	מידע כללי	---	
185	T	Water-based fire protection systems	מערכות לכיבוי אש במים	Sprinkler systems	מערכות מתזים	---	
186	T	Water-based fire protection systems	מערכות לכיבוי אש במים	Valves and fire department connections	שסתומים ומחברים	---	
187	T	Water-based fire protection systems	מערכות לכיבוי אש במים	Water spray fixed systems	מערכות תרסיסי מים קבועות	---	
188	T	Water-based fire protection systems	מערכות לכיבוי אש במים	Water storage tanks	מיכלי אחסון למים	---	

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<b>Group of products: Fire &amp; Rescue – Fire Rescue System</b>				<b>משפחת מוצרים: כבאות והצלה – מערכות הצלה</b>		
<b>System Planning &amp; Proper Installation</b>				<b>בדיקת תכנון ותקינות התקנה</b>		
189	T	Swinging fire doors	דלתות אש סובבות Installation (After Installation)	התקנה (בתום ההתקנה) SI 1212 part 4 section 4.4, 4.5	---	

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