



הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

ISO/IEC 17025:2017

מעבדות כיוול
מעבדות בדיקה

תעודת הסמכה מס' 223

מבדקות מד מים רימונים

כתובת אתר ייחוס: רח' היצירה 5, א.ת. עטרות, ירושלים, 97800

עד יום: 08.11.2020

בתוקף מיום: 09.11.2018

הארגון נבדק ונבחן על ידי הרשות הלאומית להסמכת מעבדות (להלן הרשות) 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.

תאריך הסמכה ראשון: 09.11.2010

מנכ"ל

הרשות הלאומית להסמכת מעבדות



הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

Calibration Laboratories

ISO/IEC 17025:2017

Testing Laboratories

Accreditation Certificate No. 223

Mivdekot Mad Mayim Rimonim

Main site address: 5 Hayetzira St, Atarot, Jerusalem, 97800

Valid from: 09.11.2018

Until: 08.11.2020

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: 09.11.2010

Etty Feller

General Manager

Israel Laboratory Accreditation Authority

Date of signature 01.07.2019

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Department: Calibration Laboratory ISO/IEC 17025:2017
Testing Laboratory ISO/IEC 17025:2017

Accreditation No. 223

Name and Address:

Laboratory name Mivdekot Mad Mayim Rimonim
Address 5 Hayetzira St. Atarot, Jerusalem, 97800, Israel
Phone +972-2-656-9260
Fax +972-2-656-9261
E-Mail mad@madrimonim.co.il

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

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Schedule of Accreditation

Item	Scope Type	Site	Measurand, Instrument, Gauge	Range [Including margins] (Does not include margins)	CMC Expressed as an Expanded Uncertainty (95%)	Reference Document	Remarks
Calibration - Large Volume Volumetric Instruments					כיוול - כיוול מכשירים וולומטריים - נפחים גדולים		
1	A	P	Volume passed, Water Water meters, Diameter DN15 – DN25	נפח זרימה, מים מידי מים קוטר DN15 – DN25	Flow rate [15 L/h to 100 L/h] Volume 10 L	כללי מדידת מים (מדי-מים), התשמ"ח – 1988 ת"י 63 חלק 3 ISO 4064:2005-3 Working procedure 0018 Working procedure 0015	Electronic weighing system Semi-automatic measuring method
2	A	P		Flow rate [100 L/h to 1 m ³ /h] Volume 50 L	0.6 %		Test Bench No. P1
3	A	P		Flow rate [1 m ³ /h to 15 m ³ /h] Volume 100 L	0.5 %		Test Bench No. P2
4	A	P	Volume passed, Water Water meters, Diameter DN40 – DN50	נפח זרימה, מים מידי מים קוטר DN40 – DN50	Flow rate [30 L/h to 500 L/h] Volume 50 L	כללי מדידת מים (מדי-מים), התשמ"ח – 1988 ת"י 63 חלק 3 ISO 4064:2005-3 Working procedure 0016	Electronic weighing system Manual measuring method
5	A	P		Flow rate (500 L/h to 3 m ³ /h) Volume 100 L	1.1 %		Test Bench No. P3
6	A	P		Flow rate [3 m ³ /h to 30 m ³ /h] Volume 500 L	0.9 %		
7	A	P	Volume passed, Water	נפח זרימה, מים	Flow rate [100 L/h to 5 m ³ /h] Volume 100 L	כללי מדידת מים (מדי-מים), התשמ"ח – 1988	Electronic weighing system Manual measuring method

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Calibration - Large Volume Volumetric Instruments					כיוול - כיוול מכשירים וולומטריים - נפחים גדולים		
8	A	P	Water meters, Diameter DN50 – DN100 מדי מימ קוטר DN50 – DN100	Flow rate (5 m ³ /h to 10 m ³ /h) Volume 500 L	0.6 %	ת"י 63 חלק 3 ISO 4064:2005-3 Working procedure 0017	Test Bench No. P4
9	A	P		Flow rate (10 m ³ /h to 30 m ³ /h) Volume (500 L to 1 m ³)	0.5 %		
10	A	P		Flow rate (30 m ³ /h to 50 m ³ /h) Volume 1 m ³	0.4 %		
11	A	P		Flow rate (50 m ³ /h to 150 m ³ /h) Volume 5 m ³	0.3 %		
12	A	P	Volume passed, Water נפח זרימה, מים	Flow rate (0.5 m ³ /h to 15 m ³ /h) Volume 200 L	1.2 %	כללי מדידת מימ (מדי-מימ), התשמ"ח – 1988 ת"י 63 חלק 3 ISO 4064:2005-3 Working procedure 0014	Electronic weighing system Manual measuring method
13	A	P	Water meters, Diameter DN150 מדי מימ קוטר DN150	Flow rate (15 m ³ /h to 100 m ³ /h) Volume 2 m ³	1.1 %		Test Bench No. P6
14	A	P		Flow rate (100 m ³ /h to 315 m ³ /h) Volume 5 m ³	1.1 %		

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Group of products: Industrial Products - Engineering Testing					משפחת מוצרים: מוצרי תעשייה - בדיקות הנדסיות			
Water Meters Testing					בדיקת מדי מים			
15	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Static Pressure Test	בדיקה לחץ סטטי	OIML R 49-2:2013 section 7.3 ת"י 63 חלק 3 סעיף 6 ISO 4064:2014-2 section 7.3	– Test Bench No. P7	
16	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Determination of the intrinsic errors (of indication)	קביעת סטיות פנימיות (אינדיקציה)	OIML R 49-2:2013 section 7.4 ת"י 63 חלק 3 סעיף 5.8 ISO 4064:2014-2 section 7.4	– 6 flow rate ranges Test Bench No. P7 Test Bench No. P6 – 6" water meters	
17	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Absence of flow	היעדר זרימה	OIML R 49-2:2013 section 8.17 ISO 4064:2014-2 section 8.17	– Test Bench No. P7	
18	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Water Temperature Test	בדיקה טמפרטורה	OIML R 49-2:2013 section 7.5 ת"י 63 חלק 3 סעיף 5.9 ISO 4064:2014-2 section 7.5	– Test Bench No. P7	
19	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Overload Water Temperature Test	בדיקה טמפרטורה יתר	OIML R 49-2:2013 section 7.6 ISO 4064:2014-2 section 7.6	– Test Bench No. P7	
20	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Low / high dynamic pressure test	בדיקת לחץ דינמי נמוך/גבוה	OIML R 49-2:2013 section 7.7 ת"י 63 חלק 3 סעיף 5.10 ISO 4064:2014-2 section 7.7	– Test Bench No. P7	

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Group of products: Industrial Products - Engineering Testing					משפחת מוצרים: מוצרי תעשייה - בדיקות הנדסיות		
Water Meters Testing					בדיקת מדי מים		
21	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Reverse Flow Test	בדיקה זרימה הפוכה	OIML R 49-2:2013 section 7.8 ת"י 63 חלק 3 סעיף 5.11 ISO 4064:2014-2 section 7.8	- Test Bench No. P7 Test Bench No. P6 – 6" water meters Water Meters Types for Tests: - Water Meters designed to measure reverse flow. - Water Meters not designed to measure reverse flow. - Water Meters which prevent reverse flow
22	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Pressure loss test	בדיקה הפסד עומד	OIML R 49-2:2013 section 7.9 ת"י 63 חלק 3 סעיף 7 ISO 4064:2014-2 section 7.9	- Test Bench No. P7 Test Bench No. P6 – 6" water meters
23	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Maximum Permissible error with disturbances test	בדיקה דיוק מדידה עם הפרעות בזרימה	OIML R 49-2:2013 section 7.10 ת"י 63 חלק 3 סעיף 5.12 ISO 4064:2014-2 section 7.10	- Test Bench No. P7 Test Bench No. P6 – 6" water meters Disturbers Types: - Swirl disturber Right. - Swirl disturber Left. - Flow disturber.
24	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Discontinuous Flow	זרימה לסירוגין	OIML R 49-2 section 7.11.2 ת"י 63 חלק 3 סעיף 8.2 ISO 4064:2014-2 section 7.11.2	- Test Bench No. P7 Test Bench No. P6 – 6" water meters
25	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Continuous Flow Test	זרימה ממושכת אחידה	OIML R 49-2:2013 section 7.11.3 ת"י 63 חלק 3 סעיף 8.1 ISO 4064:2014-2 section 7.11.3	- Test Bench No. P7 Test Bench No. P6 – 6" water meters

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Group of products: Industrial Products - Engineering Testing					משפחת מוצרים: מוצרי תעשייה - בדיקות הנדסיות		
Water Meters Testing					בדיקת מדי מים		
26	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Magnetic field testing	בדיקת מד מים תחת שדה מגנטי	OIML R 49-2:2013 section 7.12 ת"י 63 חלק 3 סעיף 9.4.3 ISO 4064:2014-2 section 7.12	– Test Bench No. P7 Test Bench No. P6 – 6" water meters
27	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Dry Heat Test	בדיקת חום יבש	OIML R 49-2:2013 section 8.2 ת"י 63 חלק 3 סעיף 9.3.1 ISO 4064:2014-2 section 8.2	– Test Bench No. P7
28	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Cold Test	בדיקת קור	OIML R 49-2:2013 section 8.3 ת"י 63 חלק 3 סעיף 9.3.2 ISO 4064:2014-2 section 8.3	– Test Bench No. P7
29	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Damp Heat Test, cyclic	בדיקת חום לח, מחזורי	OIML R 49-2:2013 section 8.4 ת"י 63 חלק 3 סעיף 9.3.3 ISO 4064:2014-2 section 8.4	– Test Bench No. P7
30	A	P	Water Meter Diameter DN15 – DN150	מד מים קוטר DN15 – DN150 Low Voltage of Internal Battery test	בדיקת מתח נמוך של סוללה פנימית	OIML R 49-2:2013 section 8.5.3 ת"י 63 חלק 3 סעיף 9.5.5 ISO 4064:2014-2 section 8.5.3	– Test Bench No. P7 Test Bench No. P6 – 6" water meters

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