הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

מעבדות כיול

ISO/IEC 17025:2017

תעודת הסמכה מס' 524

קריה למחקר גרעיני - נגב; יחידת איתן

כתובת אתר ייחוס: ת.ד 9001, באר שבע 84190

בתוקף מיום:11.06.2023 **עד יום:24.07.2025**

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 מעלה. 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.

הרשות חתומה על הסכם הכרה רב צדדי (MLA) מול ארגון European Accreditation Cooperation (EA).

תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר
מנכ"ל
הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון:25.07.2021

הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

Calibration Laboratories

ISO/IEC 17025:2017

Accreditation Certificate No. 524

Nuclear Research Center Negev (NRCN)

Main site address: Beer Sheva Po box 9001, 84190,Israel

Valid from:11.06.2023 **Until:24.07.2025**

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.
ISRAC is an EA-MLA (European Accreditation Cooperation Multi-Lateral Agreement) signatory.

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

Date of first accreditation: 25.07.2021

Etty Feller
General Manager
Israel Laboratory Accreditation Authority

***Name and Address*:**

Organization name	**Nuclear Research Center Negev (NRCN)**
Address	Po box 9001, Beer Sheva 84190 ,Israel
Fax	056567322
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Site: P or T or M , P-Permanent, T-Temporary, M-Mobile
A permanent (P) or temporary (T) place, or a stationary or mobile (M) facility, at or from which the organization performs activities forming part of its scope of accreditation, starting from sampling to final issuance of a report or certificate and / or quality system activities. A temporary (T) site is a site established under the responsibility of an accredited permanent site. All activities performed at a temporary site are the responsibility of the permanent site. An outdoors work is also considered to be a temporary site. Temporary site will be a site that involves work for special project and the activity will be defined in time (up to 2 years).
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*	*Measurand Instrument, Gauge*		*Range [Including margins] (Does not include margins)*	*Uncertainty of Measurement*[1]	*Reference Documents*	*Remarks*
Calibration - ***Mechanical Quantities - Length***								***כיול - גדלים מכניים - אורך***
1	A	P	Caliper (Vernier, dial, electronic)	זחון (וורניר, חוגן, אלקטרוני)	Up to 600 mm]	[0.01 + 0.03×L] mm	DIN EN ISO 13385-1 ANSI/ASME B89.1.14	L=Caliper full range in m. Caliper checker Gauge blocks
2	A	P	Depth caliper	זחון עומק	Up to 300 mm]	[0.01 + 0.03×L] mm	DIN EN ISO 13385-2 ANSI/ASME B89.1.14	L in m. Depth checker Gauge blocks
3	A	P	External micrometer	מיקרומטר חיצוני	Up to 100 mm]	2.0 µm	DIN EN ISO 3611 ANSI/ASME B89.1.13 DIN 863-1 DIN 863-3	L in m. Gauge blocks
4	A	P			(100 mm to 600 mm]	[2 + 5×L] µm		
5	A	P	Depth micrometer	מיקרומטר עומק	Up to 200 mm]	3.5 µm	ANSI/ASME B89.1.13 DIN 863-2	Depth checker Gauge blocks
6	A	P			(200 mm to 300 mm]	6.0 µm		
7	A	P	Three point Internal and bore micrometer (Tri-O-Bore)	מיקרומטר פנים תלת נקודתי (Tri-O-Bore)	[3 mm to 100 mm]	2.0 µm	DIN 863-4 Manufacturer's Specifications	Ring gauges
8	A	P			(100 mm to 200 mm]	3.0 µm		
9	A	P			(200 mm to 250 mm]	4.0 µm		
10	A	P	Length Gauges, Micrometer setting bars	מדידי אורך, מוטות הארכה למיקרומטר	Up to 600 mm]	[0.6+ 3×L] µm	ASME B89.1.13 ISO 3650 Manufacturer's Specifications	L in m. Gauge blocks Length gauge
11	A	P	Dial indicator test device	מערכת כיול חוגנים	Up to 100 mm]	0.5 µm	Manufacturer's Specifications	Gauge blocks Length gauge

Item	*Scope Type*	*Site*	*Measurand Instrument, Gauge*		*Range [Including margins] (Does not include margins)*	*Uncertainty of Measurement*[1]	*Reference Documents*	*Remarks*
Calibration - ***Mechanical Quantities - Length***								***כיול - גדלים מכניים - אורך***
12	A	P	Dial Indicator, Length gauge	חוגן גשש אורך	Up to 100 mm]	[0.7+ L/50] µm	ISO 13102 ISO 463 DIN 878 DIN 879 ANSI B89.1.10M JIS B7503 Manufacturer's Specifications	L in mm. Dial indicator test device
13	A	P	Lever type dial indicator Lever type gauge	חוגן מנופי גשש מנופי	Up to 3 mm]	[0.7+ L/50] µm	ISO 9493 DIN 2270 ANSI B89.1.10M JIS B7533 Manufacturer's Specifications	L in mm. Dial indicator test device
14	A	P	Height Gauge	מד גובה	Up to 600 mm]	[0.01 + 0.03× L] mm	ISO 13225 JIS B7517 Manufacturer's Specifications	L = Height gauge full range in m. Caliper checker Gauge blocks

Department: Calibration Laboratory ISO/IEC 17025: 2017 Accreditation No.524

Item	*Scope Type*	*Site*	*Measurand Instrument, Gauge*		*Range [Including margins] (Does not include margins)*	*Uncertainty of Measurement*[1]	*Reference Documents*	*Remarks*
Calibration - ***Physical Quantities - Pressure***								***כיול - גדלים פיזיקליים - לחץ***
15	A	P	Pneumatic gauge pressure, Pressure transducers and gauges	לחץ יחסי פניאומאטי, מתמרים ומדידי לחץ	[-95 kPa to 1000 kPa]	0.25 kPa	OIML-R 101 Euramet cg 17 Manufacturer instructions	Pressure calibrator. Calibration can be given in other units as required
16	A	P			(1000 kPa to 7000 kPa]	2.0 kPa		
17	A	T			[-80 kPa to 0 kPa)	0.45 kPa		
18	A	T			[0 kPa to 20 kPa]	0.008 kPa		
19	A	T			(20 kPa to 35 kPa]	0.02 kPa		
20	A	T			(35 kPa to 2000 kPa]	0.45 kPa		
21	A	P	Pneumatic absolute pressure, Pressure transducers and gauges	לחץ אבסולוטי פניאומאטי, מתמרים ומדידי לחץ	[5 kPa a to 80 kPa a)	0.25 kPa a		
22	A	P			[80 kPa a to 115 kPa a]	0.07 kPa a		
23	A	P			(115 kPa a to 1100 kPa a]	0.25 kPa a		
24	A	T			[20 kPa a to 200 kPa a]	0.09 kPa a		
25	A	P:T	Hydraulic gauge pressure, Pressure transducers and gauges	לחץ יחסי הידראולי, מתמרים ומדידי לחץ	[0.7 MPa to 70 MPa]	25 kPa		
26	A	P			(70 MPa to 100 MPa]	190 kPa		
27	A	P			(100 MPa to 200 MPa]	375 kPa		

[1)] The uncertainty covered by the CMC expressed as the standard measurement uncertainty multiplied by the coverage factor *k* such that the coverage probability corresponds to approximately 95 %.