



ISO/IEC 17025:2017

מעבדות כיוול

תעודת הסמכה מס' 0551

בתי זקוק לנפט בע"מ-מחלקת מכשור ובקרה בזן - מעבדת כיוול בז"ן

כתובת אתר ייחוס: שדרות ההסתדרות, חיפה 3100001

עד יום: 06.09.2028

בתוקף מיום: 17.06.2026

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 (EA) European Accreditation Cooperation.

תעודה זו אינה מהווה אישור לפי סעיף 12 לחוק התקנים.

אתי פלר
מנכ"ל
הרשות הלאומית להסמכת מעבדות

תאריך הסמכה ראשון: 07.09.2022



הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

Calibration Laboratories

ISO/IEC 17025:2017

Accreditation Certificate No. 0551

**Oil Refineries LTD.-Instrumentation & Control department – BAZAN
Calibration Laboratory**

Valid from:17.06.2026

Until: 06.09.2028

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:07.09.2022

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

Date of signature 17/06/2026

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Name and Address:

Organization name	Oil Refineries LTD.-Instrumentation & Control department – BAZAN Calibration
Address	Laboratory Hahistadrut Bvd; Haifa 3100001
Phone	04-8788111
E-mail (contact person)	mnir@bazan.co.il

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 - Chemical Quantities – Gas Detectors						כיוול – גדלים כימיים - גלאי גזים באוויר		
1	A	P;T	Gas detector H ₂ S	גלאי גז H ₂ S	15 µmol/mol	3.7 %	In house procedure 1.103.175.237 Based on EN 45544 Manufacturer instructions	Remark 1: The Range is a Nominal concentration of Reference gas. This value can be vary according to certified concentration of Reference gas from the calibration certificate.
2	A	P;T	Gas detector CO	גלאי גז CO	80 µmol/mol	4.1 %	In house procedure 1.103.175.227 Based on EN 45544 Manufacturer instructions	See Remark 1
3	A	P;T	Gas detector Methane CH ₄	גלאי גז Methane CH ₄	2.2 %	4.1 %	In house procedure 1.103.175.236 Based on EN 60079 Manufacturer instructions	See Remark 1 2.2 % CH ₄ = 50 % LEL
4	A	P;T	Gas detector Ammonia NH ₃	גלאי גז Ammonia NH ₃	50 µmol/mol	4.1 %	In house procedure 1.103.175.289	See Remark 1
5	A	P;T			100 µmol/mol	4.1 %	Based on EN 45544 Manufacturer instructions	
6	A	P;T	Gas detector Hydrogen H ₂	גלאי גז Hydrogen H ₂	2.0 %	3.1 %	In house procedure 1.103.175.236 Based on EN 60079 Manufacturer instructions	See Remark 1 2.0 % H ₂ = 50 % LEL
7	A	P;T	Gas detector Ethylene C ₂ H ₄	גלאי גז Ethylene C ₂ H ₄	1.15 %	3.3 %	In house procedure 1.103.175.236 Based on EN 60079 Manufacturer instructions	See Remark 1 1.15 % C ₂ H ₄ = 50 % LEL



Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration - Chemical Quantities – Gas Detectors						כיוול – גדלים כימיים - גלאי גזים באוויר		
8	A	P;T	Gas detector	גלאי גז	0.85 %	3.1 %	In house procedure 1.103.175.236	See Remark 1
9	A	P;T	Propane C ₃ H ₈	Propane C ₃ H ₈	0.48 %	3.1 %	Based on EN 60079 Manufacturer instructions	0.85 % C ₃ H ₈ = 50 % LEL

Item	Scope Type	Site	Measurand Instrument, Gauge		Range [Including margins] (Does not include margins)	Uncertainty of Measurement ¹	Reference Documents	Remarks
Calibration - Large Volume Volumetric Instruments						כיוול - כיוול מכשירים וולומטריים - נפחים גדולים		
10	A	P	Liquid Mass. Liquid Mass Meters	מסת נוזלים. מדי מסת נוזל	[10 kg to 1500 kg]	0.3 %	In house procedure 1.103.175.255 Based on ISO 10790 Manufacturer instructions	Calibration by means of Weighing.

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 %.