



جامعة الموصل
كلية الإدارة والاقتصاد

تقييم جودة الفحوصات المختبرية وفق المواصفة الدولية
ISO 17025 :2017

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المستخلص

تهدف الدراسة الحالية إلى تحديد مدى توافق الإجراءات المختبرية في قسم السيطرة النوعية على الأعلاف / دائرة الثروة الحيوانية / فرع نينوى مع متطلبات المواصفة الدولية (ISO17025:2017) الخاصة بمختبرات الفحص والمعايرة، ووضع الملاحظات التي تساعد على تقليص الفجوة بين واقع عمل المختبر في الميدان المبحوث وبين متطلبات المواصفة الدولية (ISO17025:2017) .

وقد اعتمد الباحث على اسهامات الباحثين من ذوي الاختصاص لتغطية الجانب النظري للدراسة، أما الجانب الميداني فقد تم استخدام استمارة فحص التي تضمنت المتطلبات الواردة في المواصفة الدولية الخاصة باعتماد المختبرات (ISO 17025:2017) من البند الرابع إلى البند الثامن بمعدل (88) فقرة وقد اعتمد المقياس الثلاثي على وفق مقياس ليكرت (Likert Scale) لهذه الاستمارة حيث أقل وزن (0) وأعلى وزن (2)، وقد تم جمع البيانات الخاصة باستمارة الفحص من خلال إجراء المقابلات والمعايشة الميدانية للباحث لتوضيح متطلبات المواصفة الدولية من أجل الوصول إلى نتائج صحيحة وواقعية، ومن خلال تحليل الفجوة بين الواقع الحالي ومتطلبات الرئيسة للمواصفة الدولية (ISO 17025:2017) ظهرت النتائج ان الفجوة كانت بنسبة اجمالي (27.756%) ، إذ سجل حجم الفجوة في كل من المتطلبات العامة نسبة (16.67%) والمتطلبات الهيكلية (33.34%) ومتطلبات المواد (27.28%) ومتطلبات العملية (35.49%) ونظام الادارة (26%).

توصلت الدراسة الى مجموعة نتائج أهمها : قيام المختبر بتقديم نتائج الفحص بدقة ووضوح وبدون غموض وعادةً ما تكون على شكل تقرير، وعلى ضوء هذه الاستنتاجات قدمت مجموعة من المقترحات المنسجمة مع هذه الاستنتاجات للمختبر المبحوث ولعل من أهمها : على المختبر توفير كادر يتولى مسؤولية تحديد الانحرافات عن نظام الإدارة، وكذلك الأنشطة المختبرية وإيجاد حلول لإلغائها.

الكلمات الافتتاحية : المواصفة الدولية ISO/IEC 17025:2017 ، متطلبات المواصفة الدولية ISO/IEC ، دائرة الثروة الحيوانية | فرع نينوى

Abstract

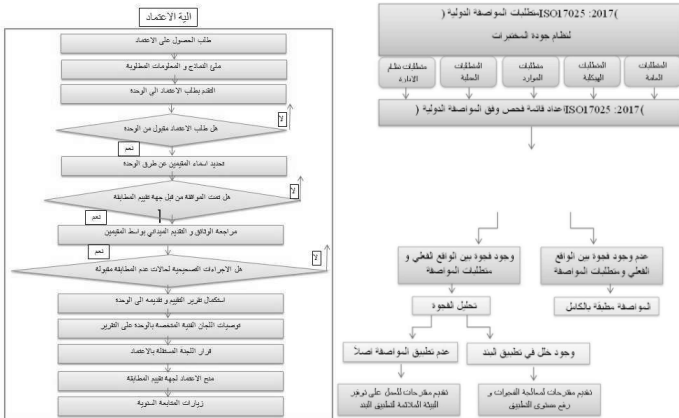
The present research aims to determine the extent to which the laboratory procedures in the Feed Quality Control Department / Animal Wealth Directorate / Nineveh Branch conform to the requirements of the International Standard (ISO 17025:2017) for testing and calibration laboratories, and to identify observations that help bridge the gap between the laboratory's actual operations in the researched field and the requirements of the International Standard (ISO 17025:2017).

The researcher relied on contributions from specialized researchers to cover the theoretical aspect of the study. As for the field aspect, an inspection form was used, which included the requirements stated in the International Standard for laboratory accreditation (ISO 17025:2017) from Clause 4 to Clause 8, totaling (88) items. A tripartite scale based on the Likert Scale was adopted for this form, with a minimum weight of (0) and a maximum weight of (2). The data for the inspection form were collected through interviews and the researcher's field immersion to clarify the requirements of the International Standard in order to reach correct and realistic results. Through analyzing the gap between the current status and the main requirements of the International Standard (ISO 17025:2017), the results showed an overall gap percentage of (27.756%). The recorded gap size for each requirement was as follows: General Requirements (16.67%), Structural Requirements (33.34%), Resource Requirements (27.28%), Process Requirements (35.49%), and Management System Requirements (26.6%).

The study reached a number of conclusions, the most important of which are: The laboratory provides test results accurately, clearly, and unambiguously, usually in the form of a report. Based on these conclusions, a set of recommendations consistent with these findings were presented for the researched laboratory, among the most important

of which are: The laboratory should provide personnel responsible for identifying deviations from the management system and those laboratory activities, and for finding solutions to address them.

**Keywords: International Standard ISO/IEC 17025:2017,
Requirements of International Standard, Department of Animal
Wealth | Nineveh Branch**

HIGHLIGHTS	GRAPHICAL ABSTRACT
١. The laboratory must provide staff responsible for identifying deviations from the management system and laboratory activities, and for finding solutions to eliminate them. ٢. The laboratory must maintain the management system when planning and implementing changes. ٣. The laboratory must provide sufficient resources to meet the requirements of laboratory operations by clearly demonstrating the prestige and reputation that obtaining the certification will bring to the department among other departments.	
Keywords:	ABSTRACT
International Standard ISO/IEC 17025:2017 Requirements of International Standard Department of Animal Wealth Nineveh Branch	The present research aims to determine the extent to which the laboratory procedures in the Feed Quality Control Department / Animal Wealth Directorate / Nineveh Branch conform to the requirements of the International Standard (ISO 17025:2017) for testing and calibration laboratories, and to identify observations that help bridge the gap between the laboratory's actual operations in the researched field and the requirements of the International Standard (ISO 17025:2017). The researcher relied on contributions from specialized researchers to cover the theoretical aspect of the study. As for the field aspect, an inspection form was used, which included the requirements stated in the International Standard for laboratory accreditation (ISO 17025:2017) from Clause 4 to Clause 8, totaling (88) items. A tripartite scale based on the Likert Scale was adopted for this form, with a minimum weight of (0) and a maximum weight of (2). The data for the inspection form were collected through interviews and the researcher's field immersion to clarify the requirements of the International Standard in order to reach correct and realistic results. Through analyzing the gap between the current status and the main requirements of the International Standard (ISO 17025:2017), the results showed an overall gap percentage of (27.756%). The recorded gap size for each requirement was as follows: General Requirements (16.67%), Structural Requirements (33.34%), Resource Requirements (27.28%), Process Requirements (35.49%), and Management System Requirements (26.6%). The study reached a number of conclusions, the most important of which are: The laboratory provides test results accurately, clearly, and unambiguously, usually in the form of a report. Based on these conclusions, a set of recommendations consistent with these findings were presented for the researched laboratory, among the most important of which are: The laboratory should provide personnel responsible for identifying deviations from the management system and those laboratory activities, and for finding solutions to address them. E-Mail: https://Uomosul.edu.iq/libcentral E-Mail: central_library@Uomosul.edu.iq

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assessment of laboratory tests quality according to the international standard ISO 17025:2017

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