



Accredited Proficiency Testing Provider

A2LA has accredited

QUALITY STANDARD & LABORATORY
Q1STANDARD, S.C.
Ciudad de México, MÉXICO

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.
This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2023
Conformity assessment - General requirements for the competence of proficiency testing providers. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

Presented this 20th day of May 2025.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4077.01
Valid to September 30, 2028



For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.

Test Item	Measurand ⁽¹⁾	PT Scheme	Identification
Conducting wire	Diameter and Area	Determination of diameter and cross-sectional area of the electrical conductors	QLS-EA001
Electronic device	Qualitative test	Protection against access to live parts	QLS-EA002
Electronic device	Qualitative / Current	Leakage current and dielectric resistance at operating temperature	QLS-EA004
Electronic device	Qualitative / Current	Leakage current and dielectric resistance	QLS-EA005
Electronic device	Power and electric current	Input Power and Current	QLS-EA006
Electronic device	Temperature	Heating	QLS-EA007
Refrigerator	Energy consumption and Abatement time	Energy efficiency and freezers and test temperature abatement or pull down	QLS-EA009

Valid To: September 30, 2028
 Certificate Number: 4077.01
 In recognition of the successful completion of the A2LA evaluation process, this Proficiency Testing Provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment – General Requirements for Proficiency Testing". Accreditation is granted to this organization to provide proficiency testing samples in the following analyte/matrix combinations:

PROFICIENCY TESTING PROVIDER

QUALITY STANDARD & LABORATORY
 QLSTANDARD, S.C.
 Florencia No. 37, Int. 704
 Col. Juárez, Alc. Cuauhtémoc
 Ciudad de México, C.P. 06600, MÉXICO
 José Enrique Zavala López;
 Phone: + 52 01 55 52076164 / + 52 01 5570958702

SCOPE OF ACCREDITATION TO ISO/IEC 17043:2023





Test item	Measurand ⁽¹⁾	PT Scheme	Identification
Household electric washing machine	Energy consumption	Energy efficiency of household electric washing machines	QLS-EA010
Electronic device	Qualitative test	Dielectric rigidity (insulation requirements)	QLS-EA011
Electronic device	Resistance	Insulation resistance	QLS-EA012
Mineral dielectric oil	Water content	Determination of water content by Karl Fisher	QLS-EA015
Electronic device	Temperature	Overload protection of transformers and associated circuits	QLS-EA016
Tires	Length	Dimensions of the tire (minimum factor measurement)	QLS-EA017
Tires	Qualitative test	Behavior of the tire to the speed	QLS-EA018
Tires	Qualitative test	Behavior of the tire to the load	QLS-EA019
Tires	Qualitative test	Behavior of the tire to the load and the low inflation pressure	QLS-EA020
Tires	Qualitative test	Strength of edge to the dismantling of the wheel tubeless	QLS-EA021
Tires	Qualitative test	Resistance to penetration	QLS-EA022



¹Assigned values and associated uncertainty (if applicable) determined by a reference laboratory.

Identification	PT Scheme	Measurand ⁽¹⁾	Test item
QLS-EA023	Resistance to removal of the wheel rim and temporary refraction radial tubeless diagonal for cars; Rim resistance to penetration	Qualitative test	Tires
QLS-EA031	Determination of the electrical resistance to DC	Electric resistance	Conducting wire
QLS-EA033	Determination of cross-sectional area of electrical conductors in function of its mass	Weight and Area	Conducting wire
QLS-EA034	Determination of energy efficiency, electrical characteristics power factor of a lamp	Power factor and luminous efficacy	Lamp (lighting)
QLS-EA041	Temperature rise test	Temperature	Electronic device