



Organisation Internationale de
Métrieologie Léegale
International Organization of
Legal Metrology



OIML CS



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**Deputy Superintendent for the Control and Verification of Technical Regulations
and Legal Metrology Superintendence of Industry and Commerce**



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LEGAL METROLOGICAL CONTROL



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METROLOGICAL CONTROL AUTHORITIES



Designated to carry out
metrological checks



MUNICIPAL MAYOR



**AUTHORIZED METROLOGICAL
VERIFICATION BODIES - OAVM**



AUTHORIZED METROLOGICAL VERIFICATION BODIES

BÁSCULAS CAMIONERAS
Resoluciones 37514 y 59577 de 2016

Illustration of a blue truck on a scale platform, with a control panel to the left.

BALANZAS Y SURTIDORES DE COMBUSTIBLE
Resoluciones 37514 y 44157 de 2016

Illustration of a fuel dispenser and a scale platform, with a digital display showing '00.0'.



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OAVM AND LEGAL METROLOGY WORKING GROUP SIC



Fuente: Fotos Grupo de Trabajo de Inspección y Vigilancia de Metrología Legal



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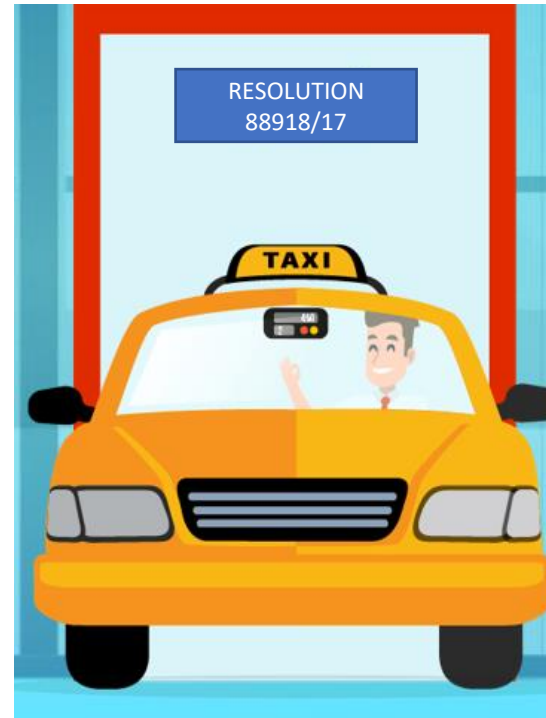
TECHNICAL REGULATION



NAWI



**LIQUID FUEL
DISPENSERS**



TAXIMETERS



**EVIDENTIAL BREATH
ANALYZERS**



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RESOLUTION 32209 OF 2020*



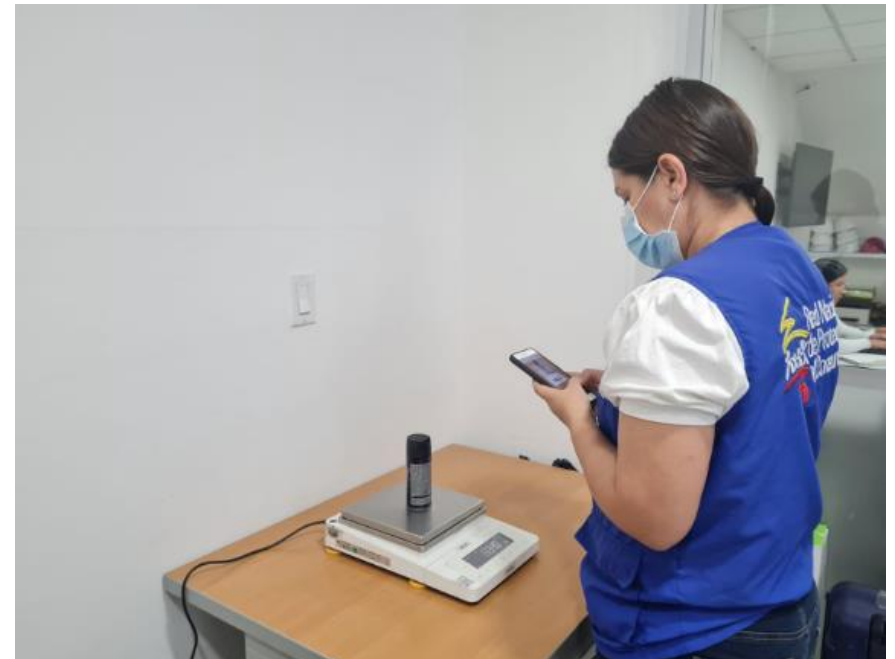
RECOMENDATION
OIML R 87: 2016
*“Quantity of product in
prepackages”*

RECOMENDATION
OIML R 79: 2015
*“Labeling requirements for
prepackages”*



PREPACKAGES

AEROSOL SPRAYS





CARBONATED DRINKS





NAWI





LIQUID FUEL DISPENSER



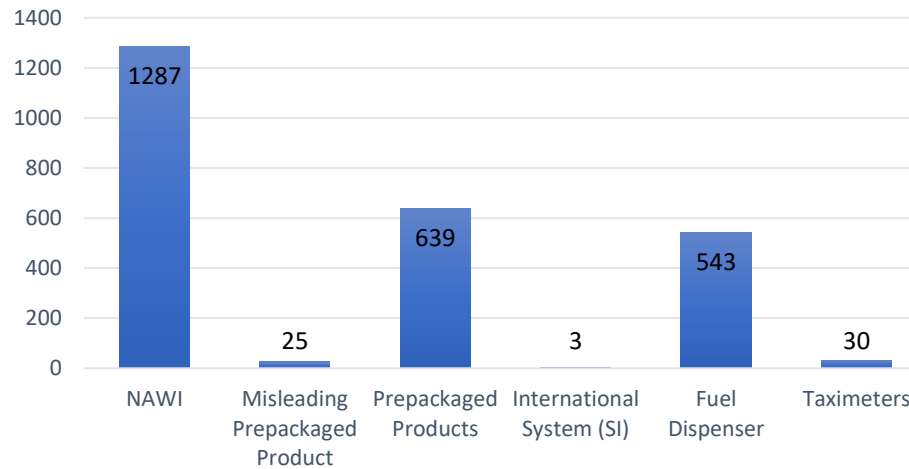


VERIFICATIONS OF METROLOGICAL CONTROL - SIC



METROLOGICAL VERIFICATIONS SIC						
MEASURING INSTRUMENT	2018	2019	2020	2021	2022 (30 sept)	Total
NAWI	301	136	322	260	268	1287
Misleading Prepackaged Product	1	7	13	4	0	25
Prepackaged Products	297	120	34	90	98	639
International System (SI)	0	0	1	2	0	3
Fuel Dispenser	172	127	35	154	55	543
Taximeters	0	30	0	0	0	30
TOTAL	771	420	405	510	421	2527

TOTAL METROLOGICAL VERIFICATIONS

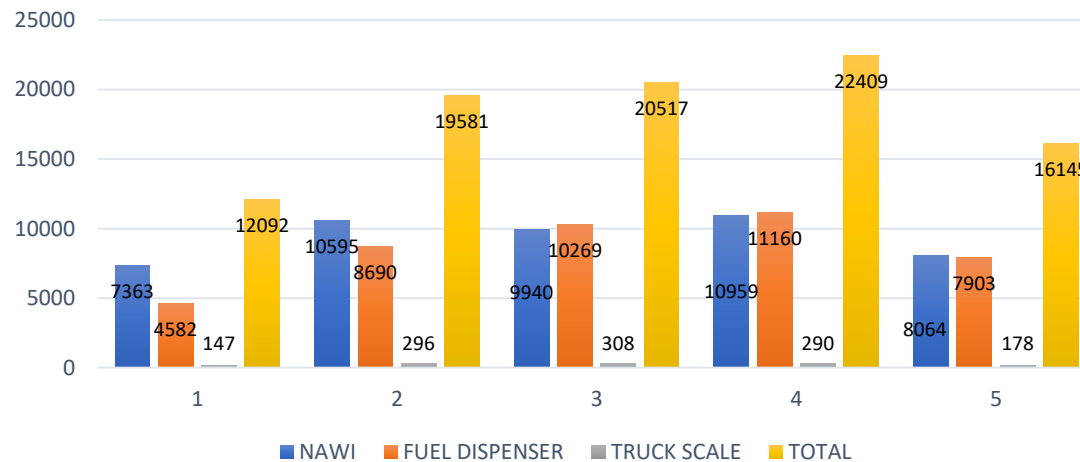




METROLOGICAL VERIFICATIONS OAVM

METROLOGICAL VERIFICATIONS OAVM						
MEASURING INSTRUMENT	2018	2019	2020	2021	2022 (30 sept)	Total
NAWI	7363	10595	9940	10959	8064	46921
FUEL DISPENSER	4582	8690	10269	11160	7903	42604
TRUCK SCALE	147	296	308	290	178	1219
TOTAL	12092	19581	20517	22409	16145	90744

METROLOGICAL VERIFICATION OAVM



*Information updated until September 30, 2022



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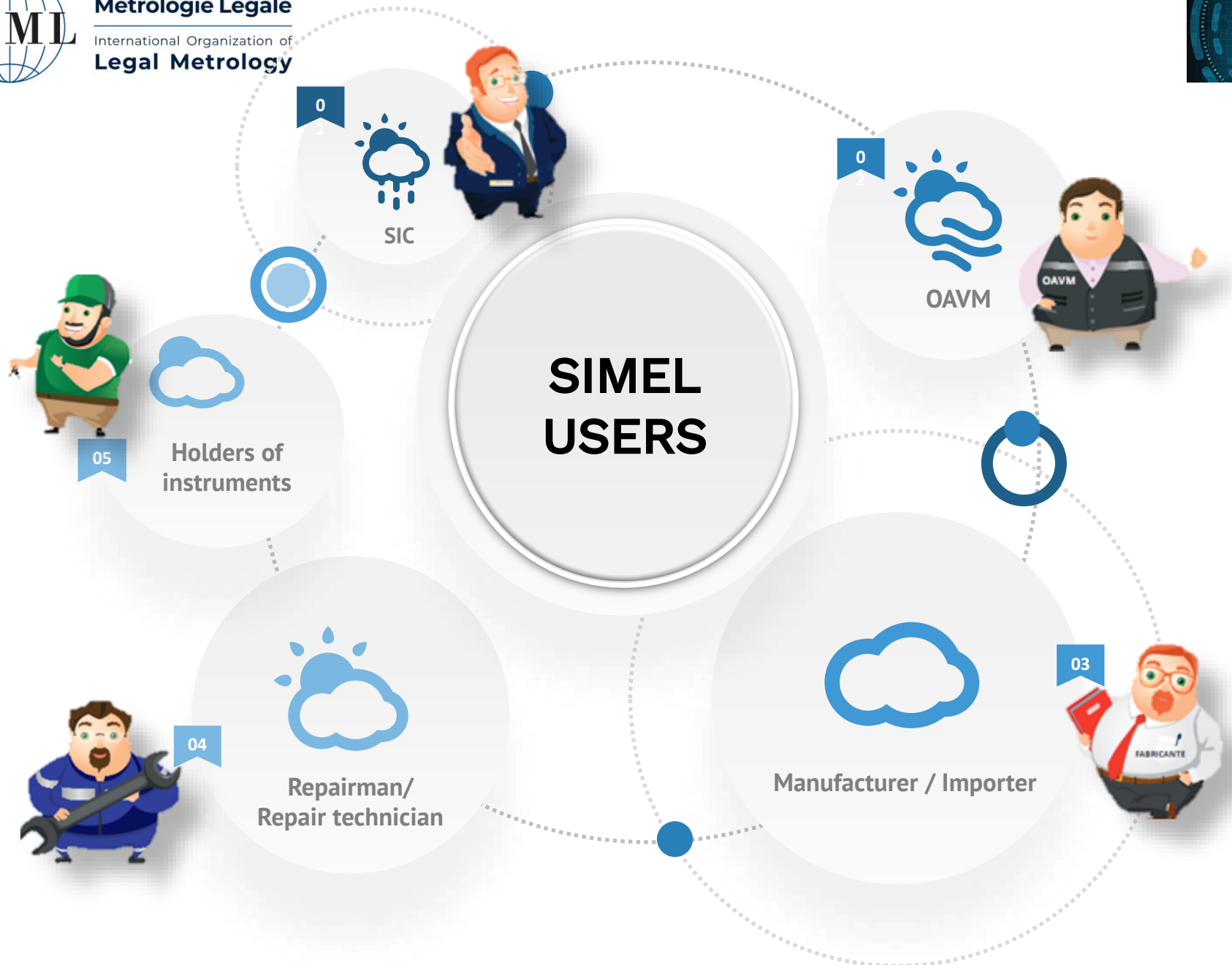


Created by the Superintendency of Industry and Commerce

Integrates all the information on legal metrology of the country

Actions of those involved in metrological control:

- ❖ Producers or importers
- ❖ Measuring instrument holders
- ❖ Repairmen
- ❖ OAVM and the administration as guarantor of security





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MANUFACTURERS AND IMPORTERS

Responsible for uploading the information (metrological characteristics) and documentation corresponding to the demonstration of the conformity of the models of the measuring instruments

SIMEL INFORMATION	
ÍTEM	QUANTITY
Registered manufacturers and importers	253
Registered Models	1.300

The screenshot shows the SIMEL website interface. At the top, there are logos for the Government of Colombia and the Ministry of Industry and Commerce (MINCIT). The main navigation bar includes links for 'Inicio', 'Herramientas', 'Consultas Públicas', and 'Regístrese aquí'. A dropdown menu is open under 'Regístrese aquí', with 'Reparadores' and 'Productor / Importador' options. The 'Productor / Importador' option is highlighted with a red box. To the right, there is a login form titled 'Ingresar' with fields for 'Usuario' and 'Contraseña', and an 'Ingresar' button. At the bottom, there is a SIMEL logo and contact information: Encuesta: <http://www.encuestar.com.co/index.php/31?lang=es>, Correo contacto: soportesimel@sic.gov.co, Teléfono: 5870000 Ext: 60056 - 60026.

*Information updated until September 30, 2022

<https://simel.sic.gov.co/Simel/faces/proveedorAutoRegistro.xhtml>



REPAIRERS AND REPAIR TECHNICIANS

Responsible for uploading the information on the repairs of the measuring instruments verified by the OAVM.

SIMEL INFORMATION	
ÍTEMS	CANTIDAD
Repaires	817
Register Repaires Technicians	1.289
Register Repairs	38.342

The screenshot shows the SIMEL website interface. At the top, there are logos for the Government of Colombia and the Superintendencia de Industria y Comercio. Below the logos, there is a navigation bar with links for 'Inicio', 'Herramientas', 'Consultas Públicas', and 'Regístrese aquí'. A dropdown menu is open under 'Regístrese aquí', showing 'Reparadores' as the selected option, which is highlighted with a red box. Below the navigation bar, there is a section titled 'Registro de Reparadores'. It contains a search box labeled 'Buscar Organización en RUES' and a dropdown menu for 'Productor / Importador'. The search box has two input fields: 'Cámara de Comercio' with a dropdown menu showing 'Seleccione...' and 'Matricula Mercantil' with a text input field. A 'Buscar' button is located below the search fields.

*Information updated until September 30, 2022

<https://simel.sic.gov.co/Simel/faces/proveedorAutoRegistro.xhtml>



REPAIRERS AND REPAIR TECHNICIANS



http://www.servipetrol.co/index.php?option=com_content&view=article&id=26&Itemid=140



HOLDERS AND CONSUMERS

Responsible for verifying the status of the measuring instruments in service at any time.

The screenshot displays the SIMEL website interface. At the top, there are logos for the Government of Colombia and the Superintendencia de Industria y Comercio (MINCIT). The main navigation bar includes 'Inicio', 'Herramientas', 'Consultas Públicas', and 'Regístrese aquí'. A dropdown menu under 'Consultas Públicas' lists 'Reparadores', 'Productores / Importadores', and 'NII'. A 'Consultar' button is positioned next to the 'NII' option. To the right, there is a login form titled 'Ingresar' with fields for 'Usuario:' and 'Contraseña:', and an 'Ingresar' button. At the bottom left, the SIMEL logo and the URL <https://simel.sic.gov.co/Simel/faces/consultaNii.xhtml> are visible. At the bottom right, contact information is provided: Encuesta: <http://www.encuestar.com.co/index.php/31?lang=es>, Correo contacto: soportesimel@sic.gov.co, and Teléfono: 5870000 Ext: 60056 - 60026.

<https://simel.sic.gov.co/Simel/>



HOLDERS AND CONSUMERS



GOBIERNO DE COLOMBIA 50 SUPERINTENDENCIA
GOBIERNO DE COLOMBIA MINCIT

Inicio Herramientas Consultas Públicas Regístrese aquí

Búsqueda de Número de Identificación del Instrumento (NII)

Número de Identificación del Instrumento (NII)

Buscar

TITULAR INSTRUMENTO DE MEDICION	NII	MARCA	MODELO	NÚMERO DE SERIE	ESTADO
ESTACION DE SERVICIO AVENIDA SUR	S4361	TOKHEIM	Q410D-R	E2987	En servicio

Activar Windows
Ve a Configuración para activar Windows.
Mostrar todo X

<https://simel.sic.gov.co/Simel/faces/consultaNii.xhtml>



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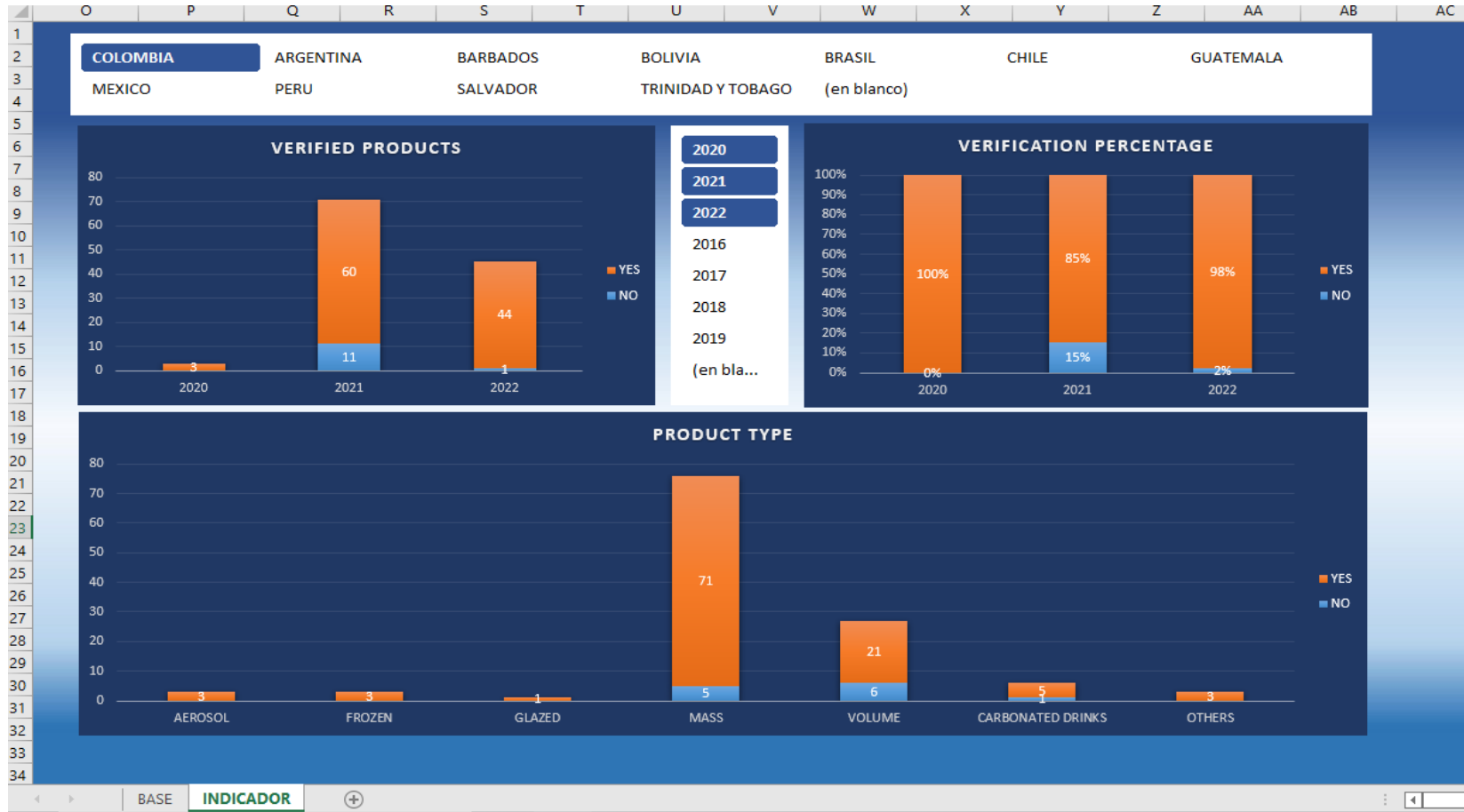


SIM LMWG



The Repository of metrological verification of prepackaged products of countries of the Inter American metrology System.

	A	B	C	D	E	F	G
1	YEAR	COMPANY	COUNTRY	SATISF	TYPE	PRODUCT	COMMENT
2							
3							
4							
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TEMPLATE TO VERIFICATE PREPACKAGED PRODUCTS: Colombia has created a template for the metrological control of pre-packaged products and this will be published by OIML TC 6.

Industria y Comercio SUPERINTENDENCIA		LEGAL METROLOGY INSPECTION AND SURVEILLANCE WORKING GROUP		6102	
METROLOGICAL CONTROL REPORT OF PREPACKAGED PRODUCT CONTENT - MASS					
1. PRODUCT IDENTIFICATION					
Name:	Jamón RICA CHEF		Presentation:	BOLSA	
is the product ready to be sold?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Nominal Quantity:	1500 g	
Lot number (sample):	L42266940004523979		Expiration date:	28-nov-21	
Place where verification is carried out:	1- PACKING POINT <input checked="" type="checkbox"/>	2- POINT OF SALE / DISTRIBUTION <input type="checkbox"/>			
Were samples selected after the final packer checkpoint?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Did the samples pass all the metrological and quality controls established by the researcher?			Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
2. SAMPLE SIZE					
N: LOT SIZE (according to information provided by the investigated, when the verification is carried out at the place of distribution and / or commercialization).					
N: LOT SIZE ACCORDING TO ONE (1) HOUR OF PRODUCTION (in accordance with the information provided by the investigated, when the verification is carried out at the place of packing).				984	
n: SAMPLE SIZE (According to ANNEX I. DETAILED SAMPLING PLANS. OIML R87).				98	

6. CONCLUSIONS / RESULTS TECHNICAL REPORT			
a. In the sample there should not be a higher number of units with deficiency greater than the tolerable difference allowed (1T). It must be observed that: Number of non-conforming units ≤ Acceptance number for Error 1T (5)			
b. There should be no inappropriate prepackages in the sample that have a T2 error. It must be fulfilled that: Number of non-conforming units = Number of acceptance for Error 2T (0)			
NOMINAL QUANTITY	NUMBER OF PRODUCTS OUT OF SPECIFICATION	PRE-PACKAGING ALLOWED WITH ERROR	CONCLUSION
1500 g	$Q_{nom} - 1T$	0	LOT ACCEPTED
	$Q_{nom} - 2T$	0	
a. The average real content must be equal to or greater than the nominal content, this is determined by evaluating the value of eave like this: i) If the condition is met: $e_{ave} \geq 0$ the rule is fulfilled for the average. ii) If not, if the condition is met: $e_{ave}/s + SCF < 0$ the inspection lot is rejected. iii) Otherwise the inspection lot is accepted.			
			CONCLUSION
i) Value of $e_{ave} = 24.07$	Meets $e_{ave} \geq 0$?	YES	LOT ACCEPTED
ii) Value of $e_{ave}/s + SCF =$ Not apply.	Meets $e_{ave}/s + SCF < 0$?	NO	(Not apply)



- ***STATUS OF LEGAL METROLOGY IN ARGENTINA AND BRAZIL***



- ***METROLOGY DAY "METROLOGY IN THE DIGITAL ERA"/DÍA DE LA METROLOGÍA "LA METROLOGÍA EN LA ERA DIGITAL" - MAY 20 OF 2022***

- ***PARTICIPATION OF BRAZIL (JUAN CARLOS MATEUS) IN THE RT AND AFRIMETS MEETING SHOWING ADVANCES IN ENERGY METERS.***



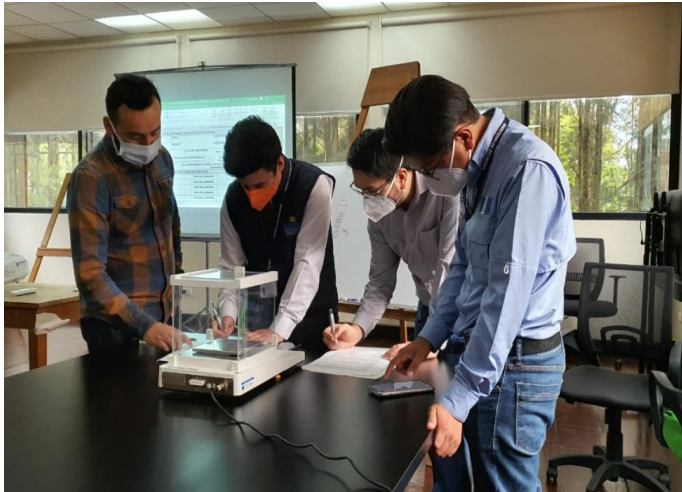
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TRAININGS



Training in metrological control of prepackaged products based on OIML R 87 “Quantity of product in prepackages” and OIML R 79 “Labeling requirements for products prepackages”. (Guatemala)





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Training in metrological control of prepackaged products based on OIML R 87 “Quantity of product in prepackages” and OIML R 79 “Labeling requirements for products prepackages”. (Guyana)





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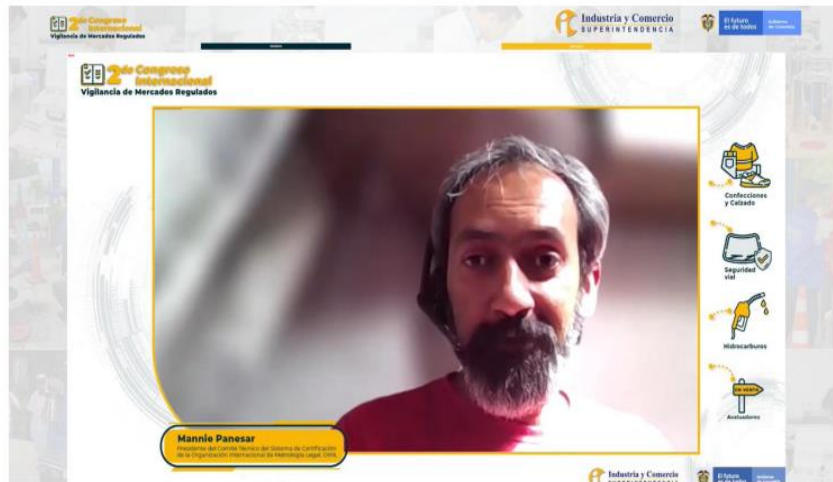


STUDY TOUR IN MEXICO: Exchange of knowledge between Colombia and México
They start working on some projects such as metrological verifications of liquid fuel dispensers and the implementation of OIML D 31.





SECOND INTERNATIONAL MARKET SURVEILLANCE CONGRESS REGULATED JULY 2022



This event had the participation of 378 attendees from 15 countries such as: Barbados, Belize, Bolivia, Canada, Colombia, Costa Rica, Ecuador, Guatemala, Guyana, Mexico, Panama, Paraguay, Peru, United Kingdom and Uruguay.

Mannie Panesar, President of the Technical Committee of the Certification System of the International Organization of Legal Metrology, OIML, through one of the conferences, announced the Benefits of the OIML certification system.



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OIML CS



MEASURING INSTRUMENTS REGISTERED IN SIMEL WITH OIML CS CERTIFICATES

MEASURING INSTRUMENTS	QUANTITY
NAWI	478
LIQUID FUEL DISPENSER	136





With these meetings, Colombia has been able to identify the status and participation in the OIML and the use of the Certification System of the countries that are part of the SIM, such as: Colombia, United States, Brazil, Argentina, Costa Rica, Panama, México, Uruguay, Guatemala, Trinidad and Tobago, Guyana, Saint Lucia and Barbados.





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Likewise, within these meetings the need to receive additional information and implementation courses on the OIML CS in countries such as: Bolivia, Saint Lucia and Costa Rica has been identified.

