

## ComPass - Comparison and Proficiency Assessment Services

### Extended scope for the organization of proficiency tests in accordance with the requirements of ISO/IEC 17043:2010

VSL, the Dutch Metrology Institute, has significantly extended the scope for their accreditation with registration number R006, the organisation of proficiency tests in accordance with the requirements of ISO/IEC 17043:2010.

VSL has more than 30 years of experience in interlaboratory comparisons. We organize interlaboratory comparisons and proficiency testing (PT) schemes in many different fields, from pressure, mass and viscosity to chemical analysis, and from temperature and humidity to electricity, length and gas flow.

As from September 25<sup>th</sup>, 2013, the relevant accreditation scope includes all of our calibration capabilities across all technological fields which are listed in our ISO/IEC 17025 accredited calibration scope with registration number K999. This means that VSL is now accredited by the Dutch Accreditation Council (RvA) to organize proficiency testing schemes for almost any field. Furthermore, VSL can also offer customised service at an unprecedented level.

With this new extended scope we have optimized our capabilities to assist (calibration) laboratories to improve and maintain the quality of their services.



### **Intercompany Comparison Service:**

*Comparisons based on your organization's unique needs.*

With our Intercompany Comparison Service, you can organize your own unique interlaboratory comparison for your company, region or country. VSL's Intercompany Comparison Service combines the need for traceability and participating in an interlaboratory Comparisons to your requirements.



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Chemistry: Gas Analysis				
Description	Round	Scheduled	Remarks	ISO 17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Composition of Siloxanes	2	2022		Pending
Composition of Refinery Gas	21	2021	ASTM D1945, GPA2261, GPA2286, ISO 6974, ISO 17023, DIN 51666, CSN EN 15984	Yes
	22	2022		Yes
	23	2023		Yes
	24	2024		Yes
Composition of (Liquefied) Natural Gas	45 & 46	2021	ASTM D1945, GPA 2261, GPA 2286, ISO 6974, ISO 6976, ISO 17023	Yes
	47 & 48	2022		Yes
	49 & 50	2023		Yes
	51 & 52	2024		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Electrical DC/LF & Frequency				
Description	Round	Scheduled	Remarks	ISO 17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Multifunction calibrator	3	2023		Yes
Resistance (0.1Ω ,1Ω and 10 Ω, 25 Ω, 100 Ω, 1 kΩ, 10 kΩ, 100 kΩ and 1 MΩ)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Time (stopwatch)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Capacitance and Inductance	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Digital Multimeter (DMM) 8.5 digit (DC Voltage, AC Voltage, DC current, AC current, DC Resistance and Frequency)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Digital Multimeter (DMM) 6.5 digit (DC Voltage, AC Voltage, DC current, AC current, DC Resistance and Frequency)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes

VSL reserves the right to cancel any ILC

**VSL B.V.**  
Thijsseweg 11, 2629 JA Delft, the Netherlands  
+31 (0) 15 269 1500, ComPass@vsl.nl

December 2020 - Page 3 of 15



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Electrical DC/LF & Frequency				
Description	Round	Scheduled	Remarks	ISO 17043 Accredited
Low alternating voltage	1*	2021		Yes
Transformers to 5 kA	1*	2021		Yes
LCR meter (Capacity, inductance and AC Resistance)	2	2021 or 2023		Yes
LF power	3	2021 or 2022		Yes
Frequency	4	2021 or 2022		Yes
S-parameters	3	2021 or 2023		Yes
HF-Power	4	2022		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Environmental				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Volatile Organic Compounds	17	2021		No
	18	2022		No
	19	2023		No
	20	2024		No
Hg in sorbent tubes (2 – 1000 ng)	Pilot	2021		Pending
ROAS - Asbestos fibre counting (2 rounds per year)	44-45	2021	NEN 2990	No
	46-47	2022		No
	48-49	2023		No
	50-51	2024		No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Environmental				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
RIAB - Asbestos Identification in Raw Materials (4 rounds per year)	85-88	2021	NEN 5896:2003 NL	No
	89-92	2022		No
	93-96	2023		No
	97-100	2024		No
Determination of settled fibrous dust on surfaces	Pilot	2021	ISO 16000-27:2014	No
Determination of numerical concentration of inorganic fibrous particles — SEM	Pilot	2021	ISO 14966:2019	No
Qualitative detection of asbestos in technical products	Pilot	2021/2022	e.g. VDI 3866 Blatt 5: 2017	No
Determination of the content of asbestos in soil, sediment, waste materials and demolition waste	Pilot	2022	<del>NEN 5898</del>	No
PFAS in soil or sediment	Pilot	2021		No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Mass				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Weights of OIML Class M1	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Weights of OIML Class E2	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Weights of OIML Class F1	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
NAWI	3	2021		No
	4	2023		No



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Geometry				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Gauge Blocks	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Laser Distance Measurer	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Long stroke precision tape			More information will follow	Yes
Ring gauge (roundness, diameter)			More information will follow	Yes
Plug gauges			More information will follow	Yes
Pen kalibers			More information will follow	Yes
Dial indicators			More information will follow	Yes
Line scales			More information will follow	Yes

VSL reserves the right to cancel any ILC

**VSL B.V.**  
Thijsseweg 11, 2629 JA Delft, the Netherlands  
+31 (0) 15 269 1500, ComPass@vsl.nl

December 2020 - Page 8 of 15





# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Humidity				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Humidity transmitter	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Data logger (Relative humidity & temperature)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Dewpoint	2	2021 or 2023		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Temperature				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Pt-100 sensor (Range -50 °C : 150 °C)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Combination of Digital thermometer & Pt100 (Range -80 °C : 200 °C)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Temperature Block Calibrator (Range -10 °C : 125 °C)	Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)			Yes
Thermocouple (Type S or N)	3	2022		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Pressure				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Calibration of a barometer - (940 ÷ 1060) hPa a		Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)		Yes
(10 ÷ 100) MPa g		Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)		Yes
(0 ÷ 5) MPa		Continues rounds @ 5 participants (Round period with 5 participants – 16 weeks or 24 weeks)		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Optical				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Luxmeter	1	On request		Yes
Optical filter	1	On request		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Ionising radiation and radioactivity				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
Photon beam (1-25 MV)	Continues	On request	On site	Yes
Radio chromic film and phantom	Continues	On request	On site	Yes
Personal dose meter	1	On request	ISO 4037-1:2019	Yes
Handheld Detector	1	On request		Yes



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Flow of Liquids				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
<b>Schedule not available</b>				

Gasflow				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
On Demand ( <a href="#">see K999 scope</a> )	-	On request		Yes
<b>Schedule not available</b>				



# Interlaboratory Comparison & Proficiency Testing Program



## ComPass - Comparison and Proficiency Assessment Services

Volume				
Description	Round	Scheduled	Remarks	ISO17043 Accredited
Micropipettes	6	2021	ISO 8655	No
	7	2022		No
	8	2023		No
	9	2024		No
Pycnometer	1	On request		Yes
Volumetric flask	1	On request		Yes