Instituto Português da Qualidade

EMPIR 17RPT02
rhoLiq

ESTABLISHING TRACEABILITY FOR LIQUID DENSITY MEASUREMENTS

WORKSHOP

Remote (Ms Teams®)

Thursday, 28.04.2022 (UTC +1)

Agenda

09:30 to 09:45	Welcome, introduction Brief presentation of IPQ	J. Alves e Sousa (IPQ, Portugal)
09:45 to 10:15	rhoLiq, A EMPIR project	A.Furtado (IPQ, Portugal)
10:15 to 10:30	Coffee break	
Density measurement at primary-level: Hydrostatic weighing and density reference liquids		
10:30 to 11:15	-Theory, measurement, substitution method, uncertainty budget, tips & tricks - New guide for hydrostatic weighing method (for submission to EURAMET)	J. Rauch (PTB, Germany) G. Sariyerli (TUBITAK, Turkey)
11:15 to 12:15	- Effects of surface tension and viscosity and viscoelasticity on density results by the hydrostatic weighing method	G. Sariyerli (TUBITAK, Turkey)
12:15 to 13:30	Lunch break	
Density measurement at secondary-level: Oscillation-type density meters		
13:30 to 14:15	-Theory, measurement, uncertainty budget, tips & tricks - New guide for oscillation-type density meters (for submission to EURAMET)	E. Lenard (GUM, Poland – to be confirmed) B. Laky (Anton Paar, Austria)
14:15 to 15:15	- Effects of viscosity, viscoelasticity, temperature and pressure on density results produce by oscillation-type density meters	E. Lenard (GUM, Poland – to be confirmed) A.Furtado (IPQ, Portugal)
15:15 to 15:30	Coffee break	
15:30 to 15:45	- New guide for production and certification of reference materials for density (for submission to EURAMET)	E. Malejczyk (GUM, Poland)
15:45 to 16:00	(New) Good practice guide for measurement of liquids in industry	P. Neuvonen (JV, Norway)
16:00 to 16:30	Round table and closure	A.Furtado (IPQ, Portugal)

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EMPIR EURAMET
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