

Information sheet

Proficiency tests metal 2013

Organiser:	Institut für Eignungsprüfung IfEP GmbH, Marl, Germany
Registration:	By means of the attached form
Intention:	Confirmation of technical competence of participating laboratories
Data evaluation:	Based on ISO/IEC 17043 and ISO 13528
Confidentiality:	Each laboratory receives a specific code number
Documentation:	Confirmation of participation Certificate in case of successful participation Final report with a list of participants in alphabetical order with declaration of consent; determination of measurement uncertainty according to the current standards and guidelines. Details for subcontracting of single parts: please see www.ifep.de , section „proficiency tests“

No. 1301 Hardness Testing Brinell	Test Standard:	ISO 6506, part 1, HBW 2,5 / 187,5
	Material:	Certified reference hardness test block (MPA NRW Dortmund, Germany) Test material with similar hardness (to be prepared by participants)
	Test program:	5 Hardness measurements on certified reference hardness test block 5 Hardness measurements on test specimen
	Test sequence:	Each hardness test block will be tested by several participants. There will be an arrangement of the dates in advance.
	Results to be submitted:	5 Hardness values of the hardness test block 5 Hardness values of test material
	Assigned Value:	Certified reference values of MPA NRW Dortmund, Germany
	Additional information provided by organiser:	Confirmation of measurement uncertainty of each laboratory based on ISO 6506-1
	Participation fee:	Germany 330 €, other countries + transport costs* estimated start calendar week 10/2013

No. 1302 Mobile Hardness Testing	Test Standard:	All mobile methods are accepted; Leeb (HLD, HLG), UCI, TIV
	Material:	Reference specimens
	Production of specimens:	By the organiser
	Results to be submitted:	5 hardness values according to the method used
	Assigned Value:	Reference value
	Participation fee:	Germany 320 €, other countries + transport costs* estimated start calendar week 20/2013

No. 1303 Emission spectrometry steel	Test Standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no „synthetic alloy“) a) unalloyed steel b) low alloyed steel
	Results to be submitted:	Characteristic values according to specifications
	Assigned Value:	Consensus value calculated from the results of all participants
	Additional information:	Statements with regard to measurement uncertainty
Participation fee:	One alloy: Germany 310 €, other countries + transport costs* Two alloys: Germany 550 €, other countries + transport costs* estimated start calendar week 15/2013	

No. 1304 Emission spectrometry (non ferrous - metals)	Test Standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no „synthetic alloy“) Al - alloy
	Results to be submitted:	Characteristic values according to specifications
	Assigned Value:	Consensus value calculated from the results of all the participants
	Additional information:	Statements with regard to measurement uncertainty
Participation fee:	Germany 275 €, other countries + transport costs* estimated start calendar week 15/2013	

* Prices excl. valid VAT, transport costs, see www.ifep.eu

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Nr. 1305 Charpy Impact Test „small pendulum“	Test Standard:	ISO 148-1 for pendulum with a nominal impact energy ≤ 50 J, which have been calibrated according to DIN 51222.
	Material:	Charpy V-notch test pieces, absorbed energy approx. 18 J (RT)
	Production of specimens:	By the organiser
	Results to be submitted:	5 values according to ISO 148
	Assigned value:	Reference value, limits according to ISO 148-2
	Participation fee:	Germany 310 €; other countries + transport costs* estimated start spring 2013 (provided there is a sufficient number of participants)
Nr. 1306 Indirect verification of salt spray test chamber	Test Standard:	EN ISO 9227
	Material:	Working standard
	Production of specimens:	By the organiser
	Results to be submitted:	Mass loss
	Assigned Value:	Reference value
	Participation fee:	Germany 275 €; other countries + transport costs* estimated start calendar week 12/2013
No. 1307 Tensile test of round bar steel at elevated temperature	Test Standard:	EN ISO 6892-2
	Material:	Round bar steel, testing at 400 °C
	Production of specimens:	By the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty (not evaluated)
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the measurement uncertainty of the test method
	Participation fee:	Germany 330 €; other countries + transport costs* estimated start calendar week 30/2013
No. 1308 NDT	Test Standard:	RT, VT, MT
	Material:	Steel specimens with flaws defined for the test method
	Results to be submitted:	Type / Position / Size of flaws
	Assigned Value:	Sample solution of Fraunhofer IZFP Saarbrücken, Germany
	Test sequence:	Each sample will be tested by several participants. There will be an arrangement of the dates in advance.
	Participation fee:	One method: Germany 350 €; other countries + transport costs*
		Two methods: Germany 620 €; other countries + transport costs* Three methods: Germany 840 €; other countries + transport costs* estimated start calendar week 30/2013
No. 1309 Tensile test steel round bars	Test Standard:	EN ISO 6892-1
	Material:	6 semi-finished steel products for specimen diameter $d_0 = 10$ mm
	Production of specimens:	By the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty (not evaluated)
	Assigned Value:	Consensus value calculated from the results of all the participants
	Additional information:	Confirmation of the individual measurement uncertainty of each laboratory
	Participation fee:	Germany 330 €; other countries + transport costs* estimated start calendar week 40/2013
No.1310 Tensile test steel flat tensile specimens	Test Standard:	EN ISO 6892-1
	Material:	6 semi-finished products, approx. 400 x 400 mm ² , with thickness >3 mm; geometry according to 6892-1, annex D
	Production of specimens:	By the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty (not evaluated)
	Assigned Value:	Consensus value calculated from the results of all the participants
	Additional information:	Confirmation of the individual measurement uncertainty of each laboratory
	Participation fee:	Germany 280 €; other countries + transport costs* estimated start calendar week 22/2013

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No. 1311 Charpy impact testing	Test Standard:	ISO 148-1 / ISO 148-2
	Material:	Charpy test specimens, impact energy low level (RT), average level (RT), high level (RT)
	Production of specimens:	By the organiser
	Results to be submitted:	5 values according to ISO 148 each energy level
	Assigned Value:	Reference value, limits according to ISO 148-2
	Additional information:	Measurement uncertainty according to ISO 148-2
	Participation fee:	One energy level: Germany 310 €; other countries + transport costs* Two energy levels: Germany 490 €; other countries + transport costs* Three energy levels: Germany 630 €; other countries + transport costs* estimated start calendar week 25/2013
No. 1312 Charpy impact testing measurement of specimens	Test Standard:	In house procedure
	Material:	3 Charpy impact test specimens with defined geometrical dimensions
	Production of specimen:	By the organiser
	Test sequence:	Each specimen set will be tested by several participants. There will be an arrangement of the dates in advance..
	Results to be submitted:	Dimensions according to ISO 148-1, table 2
	Assigned Value:	Certified reference value determined by means of coordinate measuring machine
	Additional information:	References for the calculation of the measurement uncertainty
	Teilnahmegebühr:	Germany 350 €; other countries + transport costs* estimated start calendar week 25/2013

* Prices. excl. valid VAT, transport costs, see www.ifep.eu

Registration Proficiency Tests Metal 2013

via Fax to: **+49 (0) 2365 / 209 00 35** or via E-Mail to: **Sorge@ifep.eu**

We will participate in the following proficiency test(s):

No.	please mark	Proficiency test	Expected Start (calendar week 2013)	Return of the results	Participation fee
1301	<input type="checkbox"/>	Hardness testing according to Brinell HBW 2,5 / 187,5	10	1 week	330 €*
1302	<input type="checkbox"/>	Mobile Hardness Testing	20	4 weeks	320 €*
1303a	<input type="checkbox"/>	Emission spectrometry: unalloyed steel	15	4 weeks	1 alloy: total 310 €*
1303b	<input type="checkbox"/>	Emission spectrometry: low alloyed steel	15	4 weeks	2 alloys: total 550 €*
1304	<input type="checkbox"/>	Emission spectrometry: Al - alloy	15	4 weeks	275 €*
1305	<input type="checkbox"/>	Charpy impact test nominal impact energy ≤ 50 J	15	4 weeks	310 €*
1306	<input type="checkbox"/>	Indirect verification of salt spray test chamber	12	4 weeks	275 €*
1307	<input type="checkbox"/>	Tensile test of round bar steel at elevated temperature	30	4 weeks	330 €*
1308a	<input type="checkbox"/>	RT, radiographic testing	30	1 week	1 method: total 350 €*
1308b	<input type="checkbox"/>	VT, visual testing	30	1 week	2 methods: total 620 €*
1308c	<input type="checkbox"/>	MT, magnetic particle testing	30	1 week	3 methods: total 840 €*
1309	<input type="checkbox"/>	Tensile test steel round bars	40	4 weeks	330 €*
1310	<input type="checkbox"/>	Tensile test steel flat tensile specimens	22	4 weeks	280 €*
1311a	<input type="checkbox"/>	Charpy impact testing low level	25	4 weeks	1 level: total 310 €*
1311b	<input type="checkbox"/>	Charpy impact testing average level			2 levels: total 490 €*
1311c	<input type="checkbox"/>	Charpy impact testing high level			3 levels: total 630 €*
1312	<input type="checkbox"/>	Charpy impact testing measurement of specimens	25	1 week	350 €*

A bilateral registration for the proficiency tests
after the official start date is still possible!

* Prices for Germany excl. VAT, other countries: Delivery and duty costs will be added to participation fee, see www.ifep.eu

The costs have to be paid to Institut für Eignungsprüfung IfEP in advance. **Specimens will be sent to the participants upon payment by the participant.** The organiser will charge 25 % of the fee if the registration is cancelled four weeks prior to the start of the proficiency test. For cancellations later than this, the full amount will be charged.

Company:		Date / signature /stamp
Department:		
Contact person: <input type="checkbox"/> Ms. <input type="checkbox"/> Mr.		
Address:		
ZIP Code / City:	Country:	<input type="checkbox"/> German <input type="checkbox"/> English
Telephone:	Fax:	E-Mail:
Necessary additional information: Your companies' tax identification number:		
Billing address (if differing):		Delivery address (if differing):
Further invoice-details, e.g. cost unit:		
I confirm with my signature that the service is carried out for my/our company (and not for a private person).		