

Information sheet

Proficiency tests metal 2024 ASTM

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. Usually the participation is approved for accreditations according to NADCAP.
Confidentiality:	Each laboratory receives a specific code number
Documentation:	Certificate 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“

Proficiency tests on OES, NDT, metallography, corrosion, etc. can be found in our ISO program for 2024.

No. AS2401-HB Hardness testing Brinell	Test standard:	ASTM E10, HBW 2,5/187,5 and/or HBW 5/250
	Material:	steel specimen to be prepared by the laboratory
	Test program:	five hardness measurements on reference hardness block
	Test sequence:	Each participant receives a reference specimen.
	Results to be submitted:	five hardness values of the hardness blocks
	Assigned value:	Consensus value calculated from the results of all participants
	Participation fee:	HBW 2,5/187,5 or HBW 5/250: Germany 330 € other countries + transport costs* HBW 2,5/187,5 and HBW 5/250: Germany 490 € (245 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2024
No. AS2401-HR Hardness testing Rockwell C	Test standard:	ASTM E18, HRC
	Material:	steel specimens to be prepared by the laboratory
	Test program:	3 x five hardness measurements on reference hardness blocks
	Test sequence:	Each participant receives three reference specimens.
	Results to be submitted:	3 x five hardness values of the hardness blocks
	Assigned Value:	Consensus value calculated from the results of all participants
	Participation fee:	Germany 370 € other countries + transport costs* estimated start: III. quarter 2024
No. AS2401-HV Hardness testing Vickers	Test standard:	ASTM E384 / E92, HV 0,3 and/or HV 1 and/or HV 10/HV 30
	Material:	steel specimen to be prepared by the laboratory
	Test program:	five hardness measurements on reference hardness block
	Test sequence:	Each participant receives a reference specimen.
	Results to be submitted:	five hardness values of the hardness blocks
	Assigned value:	Consensus value calculated from the results of all participants
	Participation fee:	One method: Germany 330 € other countries + transport costs* Two methods: Germany 490 € (245 €/proficiency test); other countries + transport costs* Two methods: Germany 690 € (230 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2024

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

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No. AS2409-R Tensile test steel round specimens	Test standard:	ASTM E8/E8M
	Material:	Standard samples: 6 round test specimens, steel, diameter = 9 mm, specimen head: ISO thread M16 (specimen 2, ASTM E8M) as per standard, Alternate samples: specimens with diameter = 6 mm (specimen 3, ASTM E8M), specimen head: ISO thread M10 and/or 6 material sections, diameter app. 25 mm, length 150 mm each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	AS2409-RM: machined specimens: Germany 450 € other countries + transport costs* AS2409-RU: unmachined specimens: Germany 350 € other countries + transport costs* machined AND unmachined specimens: Germany 700 € (350 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024
No. AS2409-RNi Tensile test Nickel-based alloy RT and elevated temperature	Test standard:	ASTM E8/E8M / ASTM E21
	Material:	Nickel-based alloy, test at RT and 600°C 6 round test specimens, steel, $d_0 = 6$ mm, specimen head: ISO thread M10; Alternate samples: upon request and for a separate charge
	Production of specimens:	by the organiser
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Measurement uncertainty of the test method
	Participation fee:	AS2409-RNi: test at RT: Germany 500 € other countries + transport costs* AS2409-RWNi: test at 600°C: Germany 500 € other countries + transport costs* RT AND 600°C: Germany 900 € (450 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024
No. AS2410F Tensile test steel flat specimens, 1-3 mm	Test standard:	ASTM E8/E8M
	Material:	6 flat specimens, steel, geometry according to ASTM E8/E8M (sheet type), thickness = 1-3 mm, width = 12,5 mm, and/or 6 material sections of about 32 x 280 mm ² each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	AS2410FM: Machined specimens: Germany 330 € other countries + transport costs* AS2410FU: Unmachined specimens: Germany 285 € other countries + transport costs* Machined AND unmachined specimens: Germany 550 € (275 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024

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No. AS2410FD Tensile test steel flat specimens, 10-15 mm	Test standard:	ASTM E8/E8M
	Material:	6 flat specimens, steel, geometry according to ASTM E8/E8M (sheet type), thickness = 10-15 mm, width = 12,5 mm, and/or 6 material sections of about 40 x 400 mm ² each
	Production of specimens:	by the organiser / by the participants
	Results to be submitted:	Characteristic values according to the test standard, additionally "Young's Module" and the measurement uncertainty
	Assigned Value:	Consensus values calculated from the results of the participants
	Additional information:	Statement to the influence of specimen preparation, measurement uncertainty of the test method
	Participation fee:	AS2410FDM: Machined specimens: Germany 370 € other countries + transport costs* AS2410FDU: Unmachined specimens: Germany 330 € other countries + transport costs* Machined AND unmachined specimens: Germany 620 € (310 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024
No. AS2411 Charpy impact test machined specimens	Test standard:	ASTM E23 (8 mm striker)
	Material:	Charpy test specimens, impact energy low level (RT), average level (RT and -20°C), high level (RT), super high level (RT)
	Production of specimens:	by the organiser
	Results to be submitted:	5 values according to ASTM E23 each energy level
	Assigned value:	consensus value, limits based on ASTM E23
	Additional information:	Statement to the measurement uncertainty of the test method
	Participation fee:	One energy level: Germany 310 € other countries + transport costs* Two energy levels: Germany 490 € (245 €/proficiency test); other countries + transport costs* Three energy levels: Germany 660 € (220 €/proficiency test); other countries + transport costs* Four energy levels: Germany 800 € (200 €/proficiency test); other countries + transport costs* Five energy levels: Germany 950 € (190 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024
No. AS2411 Charpy impact test unmachined specimens	Test standard:	ASTM E23 (8 mm striker)
	Material:	Material sections, app. dimensions: 57 x 12 x 12 mm ³ , impact energy low level (RT), average level (RT and -20°C), high level (RT), super high level (RT)
	Production of specimens:	by the participants
	Results to be submitted:	5 values according to ASTM E23 each energy level
	Assigned value:	consensus value, limits based on ASTM E23
	Additional information:	Statement to the measurement uncertainty of the test method
	Participation fee:	One energy level: Germany 250 € other countries + transport costs* Two energy levels: Germany 460 € (230 €/proficiency test); other countries + transport costs* Three energy levels: Germany 630 € (210 €/proficiency test); other countries + transport costs* Four energy levels: Germany 760 € (190 €/proficiency test); other countries + transport costs* Five energy levels: Germany 850 € (170 €/proficiency test); other countries + transport costs* estimated start: IV. quarter 2024

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

Registration proficiency tests metal 2024 ASTM: part 1
via e-mail to: Mende@ifep.de

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

No.	please mark	Proficiency test	Expected Start (quarter/2024)	Return of the results	Participation fee	
AS2401-HB-a	<input type="checkbox"/>	Hardness testing Brinell HBW 2,5/187,5, ASTM E10	III/2024	4 weeks	AS2401-HB-a or AS2401-HB-b: total 330 €*	
AS2401-HB-b	<input type="checkbox"/>	Hardness testing Brinell HBW 5/250, ASTM E10	III/2024	4 weeks	AS2401-HB-a and AS2401-HB-b: total 490 €*	
AS2401-HR	<input type="checkbox"/>	Hardness testing Rockwell C, ASTM E18	III/2024	4 weeks	370 €*	
AS2401-HV-a	<input type="checkbox"/>	Hardness testing Vickers HV 1, ASTM E384	III/2024	4 weeks	1 method: total 330 €* 2 methods: total 490 €* 3 methods: total 690 €*	
AS2401-HV-b	<input type="checkbox"/>	Hardness testing Vickers HV 10/HV 30, ASTM E92	III/2024	4 weeks		
AS2401-HV-c	<input type="checkbox"/>	Hardness testing Vickers HV 0,3, ASTM E384	III/2024	4 weeks		
AS2409-RM	Standard samples: <input type="checkbox"/>	Tensile test steel round specimens, ASTM E8/E8M, machined specimens	IV/2024	4 weeks	AS2409-RM: 450 €* AS2409-RU: 350 €* AS2409-RM and AS2409-RU: total 700 €*	
	Alternate samples: <input type="checkbox"/>					
AS2409-RU	<input type="checkbox"/>	Tensile test steel round specimens, ASTM E8/E8M, unmachined specimens	IV/2024	4 weeks		
AS2409-RNi	<input type="checkbox"/>	Tensile test Nickel-based alloy, round specimens, RT, ASTM E8/E8M	IV/2024	4 weeks		RT: 500 €* 600°C: 500 €* RT and 600°C: total 900 €*
AS2409-RWNi	<input type="checkbox"/>	Tensile test Nickel-based alloy, round specimens, 600°C, ASTM E21	IV/2024	4 weeks		
AS2410FM	<input type="checkbox"/>	Tensile test steel flat specimens, ASTM E8/E8M, 1-3 mm, machined specimens	IV/2024	4 weeks		AS2410FM: 330 €* AS2410FU: 285 €* AS2410FM and AS2410FU: total 550 €*
AS2410FU	<input type="checkbox"/>	Tensile test steel flat specimens, ASTM E8/E8M, 1-3 mm, unmachined specimens	IV/2024	4 weeks		
AS2410FDM	<input type="checkbox"/>	Tensile test steel flat specimens, 10-15 mm machined specimens	IV/2024	4 weeks	AS2410FDM: 370 €* AS2410FDU: 330 €* AS2410FDM and AS2410FDU: total 620 €*	
AS2410FDU	<input type="checkbox"/>	Tensile test steel flat specimens, 10-15 mm unmachined specimens	IV/2024	4 weeks		

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

Continuation on the next page.
Please submit pages 4 and 5 for a binding order.

Registration proficiency tests metal 2024 ASTM: part 2

No.	please mark	Proficiency test	Expected Start (quarter/2024)	Return of the results	Participation fee
AS2411-LM	<input type="checkbox"/>	Charpy impact test low level, ASTM E23, machined specimens	IV/2024	4 weeks	1 level: total 310 €*
AS2411-MM	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, machined specimens			2 levels: total 490 €*
AS2411-MM -20°C	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, machined specimens, -20°C			3 levels: total 660 €*
AS2411-HM	<input type="checkbox"/>	Charpy impact test high level, ASTM E23, machined specimens			4 levels: total 800 €*
AS2411-SM	<input type="checkbox"/>	Charpy impact test super high level, ASTM E23, machined specimens			5 levels: total 950 €*
AS2411-LU	<input type="checkbox"/>	Charpy impact test low level, ASTM E23, unmachined specimens	IV/2024	4 weeks	1 level: total 250 €*
AS2411-MU	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, unmachined specimens			2 levels: total 460 €*
AS2411-MU -20°C	<input type="checkbox"/>	Charpy impact test average level, ASTM E23, unmachined specimens, -20°C			3 levels: total 630 €*
AS2411-HU	<input type="checkbox"/>	Charpy impact test high level, ASTM E23, unmachined specimens			4 levels: total 760 €*
AS2411-SU	<input type="checkbox"/>	Charpy impact test super high level, ASTM E23, unmachined specimens			5 levels: total 850 €*

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

The costs will be invoiced by Institut für Eignungsprüfung IfEP GmbH **in advance**. The total invoice amount is to be paid two weeks after receipt of the invoice, independent of the shipment of the specimens.

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.	First name:	Surname:		
Address:					
ZIP Code:	City:	Country:	<input type="checkbox"/> German <input type="checkbox"/> English		
Telephone:	E-Mail:				
<u>Necessary additional information</u> (your order cannot be processed without this information): Your VAT identification number:					
Billing address (only if differing):			Delivery address (only 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).					

Please submit pages 4 and 5 for a binding order.