

Information sheet

Proficiency tests metal 2024

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“

No. 2401-HB Hardness testing Brinell	Test standard:	ISO 6506, part 1, 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 block
	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. 2401-HR Hardness testing Rockwell C	Test standard:	ISO 6508, part 1, 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. 2401-HV Hardness testing Vickers	Test standard:	ISO 6507, part 1, 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 block
	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

No. 2401-HT Mobile hardness testing	Test standard:	All mobile methods are accepted; Leeb (HLD), UCI, TIV
	Material:	Reference specimens
	Test program:	five hardness measurements on reference hardness blocks
	Test sequence:	Each reference specimen will be tested by several participants. There will be an arrangement of the dates in advance.
	Results to be submitted:	5 hardness values according to the method used
	Assigned Value:	Consensus value calculated from the results of all participants
	Participation fee:	Germany 380 € other countries + transport costs* estimated start: III. quarter 2024

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No. 2402-Z Testing of fasteners Tensile test	Test standard:	ISO 898-1 and/or ISO 3506-1
	Material:	bolts
	Production of specimens:	complete bolts
	Results to be submitted:	according to standard, tensile test
	Assigned value:	Consensus value calculated from the results of all the participants
	Participation fee:	Germany 330 € other countries + transport costs* estimated start: III. quarter 2024
No. 2402-RD Testing of fasteners Friction and Torque	Test standard:	ISO 16047
	Material:	bolts / nuts / discs
	Production of specimens:	by the participants
	Results to be submitted:	according to standard, torque
	Assigned value:	Consensus value calculated from the results of all the participants
	Participation fee:	Germany 330 € other countries + transport costs* estimated start: III. quarter 2024
No. 2403 Emission spectrometry steel	Test standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no "synthetic alloy") 2403L: low alloyed steel 2403H: high alloyed steel
	Results to be submitted:	Characteristic values according to specifications
	Assigned value:	Consensus value calculated from the results of all participants
	Additional information:	Statement to measurement uncertainty
	Participation fee:	one alloy: Germany 310 € other countries + transport costs* two alloys: Germany 550 € (275 €/proficiency test); other countries + transport costs* estimated start: II. quarter 2024
No. 2404 Emission spectrometry (non ferrous-metals)	Test standard:	In-house procedure
	Material:	Material similar to daily laboratory work (no "synthetic alloy") 2404Al: Aluminium-alloy 2404Zn: Zinc-alloy 2404Mg: Magnesium-alloy
	Results to be submitted:	Characteristic values according to specifications
	Assigned value:	Consensus value calculated from the results of all the participants
	Additional information:	Statement to measurement uncertainty
	Participation fee:	one alloy: Germany 310 €, other countries + transport costs* two alloys: Germany 550 € (275 €/proficiency test); other countries + transport costs* three alloys: Germany 780 € (260 €/proficiency test); other countries + transport costs* estimated start: II. quarter 2024
No. 2405 Resistance against intergranular attack	Test standard:	ASTM A262, practice B, Streicher test
	Material:	Stainless steel
	Production of specimens:	by the participants
	Results to be submitted:	Mass loss
	Assigned value:	Consensus value calculated from the results of all the participants
	Participation fee:	Germany 310 € other countries + transport costs* estimated start: III. quarter 2024
No. 2406 Indirect verification of salt spray test chamber	Test standard:	ISO 9227
	Material:	Reference specimens
	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: II. quarter 2024

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No. 2407-RAI Tensile test aluminium (round specimens)	Test standard:	ISO 6892-1
	Material:	Standard samples: 6 round test specimens, aluminium, $d_0 = 10$ mm, specimen head: ISO thread M16 as per standard; Alternate samples: specimens with $d_0 = 6$ mm, specimen head: ISO thread M10, and/or 6 material sections, diameter app. 20 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:	2407-RAIM: Machined specimens: Germany 370 € other countries + transport costs* 2407-RAIU: Unmachined specimens: Germany 290 € other countries + transport costs* Machined AND unmachined specimens: Germany 600 € (300 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2024
No. 2407-FAI Tensile test aluminium (flat specimens)	Test standard:	ISO 6892-1
	Material:	6 flat specimens, aluminium, geometry according to ISO 6892-1, annex B, table B1, $a_0 = 1-3$ mm, $b_0 = 20$ 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:	2407-FAIM: Machined specimens: Germany 300 € other countries + transport costs* 2407-FAIU: Unmachined specimens: Germany 255 € other countries + transport costs* Machined AND unmachined specimens: Germany 500 € (250 €/proficiency test); other countries + transport costs* estimated start: III. quarter 2024
No. 2408 Non-destructive testing	Test standard:	UT, MT, ET, LT, optical density, RT AI-Specimen
	Material:	UT, MT: Steel specimens app. 200 x 200 x 10 mm ³ with weld seam in the middle, with flaws defined for the test method ET: Steel specimen with flaws defined for the test method LT: Bubble emission techniques Optical density: reference series RT: AI specimen with flaws defined for the test method
	Results to be submitted:	Type / position / size of flaws
	Assigned value:	Sample solution
	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 660 € (330 €/proficiency test); other countries + transport costs* Three methods: Germany 930 € (310 €/proficiency test); other countries + transport costs* Four methods: Germany 1.160 € (290 €/proficiency test); other countries + transport costs* Five methods: Germany 1.350 € (270 €/proficiency test); other countries + transport costs* Six methods: Germany 1.500 € (250 €/proficiency test); other countries + transport costs* estimated start: II. quarter 2024

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No. 2409-R Tensile test steel (round specimens)	Test standard:	ISO 6892-1
	Material:	Standard samples: 6 round test specimens, steel, $d_0 = 10$ mm, specimen head: ISO thread M16 as per standard; Alternate samples: specimens with $d_0 = 6$ mm, 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, to measurement uncertainty of the test method
	Participation fee:	2409-RM: Machined specimens: Germany 450 € other countries + transport costs* 2409-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. 2409-BT Bend test steel	Test standard:	ISO 7438
	Material:	material sections, thickness 6-12 mm
	Production of specimens:	by the participants
	Results to be submitted:	according to the test standard, crack length
	Assigned value:	Consensus, assessment of statements against the standard requirements
	Participation fee:	Germany 310 € other countries + transport costs* estimated start: III. quarter 2024
No. 2409-DV Compression test steel	Test standard:	DIN 50106
	Material:	steel cylinder, diameter 8 mm, height 12 mm
	Production of specimens:	by the organiser
	Results to be submitted:	according to the test standard
	Assigned value:	Consensus values calculated from the results of the participants
	Participation fee:	Germany 350 € other countries + transport costs* estimated start: III. quarter 2024
No. 2409-RNi Tensile test Nickel-based alloy RT and elevated temperature	Test standard:	ISO 6892-1/-2
	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:	Statement to the influence of specimen preparation, to measurement uncertainty of the test method
	Participation fee:	2409-RNi: test at RT: Germany 500 € other countries + transport costs* 2409-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

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No. 2410F Tensile test steel flat specimens, 1-3 mm	Test standard:	ISO 6892-1
	Material:	6 flat specimens, steel, geometry according to ISO 6892-1, annex B, table B1, $a_0 = 1-3$ mm, $b_0 = 20$ 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, to measurement uncertainty of the test method
	Participation fee:	2410FM: Machined specimens: Germany 330 € other countries + transport costs* 2410FU: 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
No. 2410FD Tensile test steel flat specimens, 10-15 mm	Test standard:	ISO 6892-1
	Material:	6 flat specimens, steel, geometry according to ISO 6892-1, annex D, table D2, $a_0 = 10-15$ mm, $b_0 = 25$ 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, to measurement uncertainty of the test method
	Participation fee:	2410FDM: Machined specimens: Germany 370 € other countries + transport costs* 2410FDU: 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. 2411 Charpy impact test machined specimens	Test standard:	ISO 148-1 / ISO 148-2 (2 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 ISO 148 each energy level
	Assigned value:	Consensus 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 € (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

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No. 2411 Charpy impact test unmachined specimens	Test standard:	ISO 148-1 / ISO 148-2 (2 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 ISO 148 each energy level
	Assigned value:	Consensus value, limits according to ISO 148-2
	Additional information:	Measurement uncertainty according to ISO 148-2
	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
No. 2412 Mobile Emission spectrometry and XRF	Test standard:	In-house procedure (no stationary machines, see proficiency tests 2403 and 2404)
	Material:	Characteristic values according to specifications
	Results to be submitted:	Consensus value calculated from the results of all the participants
	Assigned Value:	Consensus value
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2413 Metallography, image analysis	Test standard:	e. g. ISO 643, ASTM E 112 appointment also possible via digital image processing
	Material:	Micrograph; in part simulated, in digital form
	Results to be submitted:	e.g. grain size steel / phase content steel / phase content aluminium
	Assigned Value:	Consensus value, sample solution
	Participation fee:	Germany 275 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2414 Metallography, sample preparation	Test standard:	e. g. ISO 643, ASTM E 112
	Material:	Metallic sample for grinding preparation and analysis
	Results to be submitted:	e.g. carbon content, grain size
	Assigned Value:	Consensus value, sample solution
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2414-SD Measurement of coating thickness Microscopical method	Test standard:	ISO 1463
	Material:	Galvanised steel sheet, coating thickness app. 1-40 µm
	Production of specimens:	By the organiser
	Results to be submitted:	Coating thickness
	Assigned Value:	Consensus value
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2414-DF Delta ferrite determination	Test standard:	In-house procedure, e.g. using a FERITSCOPE®
	Material:	Austenitic steel
	Production of specimens:	By the participants
	Results to be submitted:	Delta ferrite
	Assigned Value:	Consensus value
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: III. quarter 2024

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No. 2414-CHD Case Hardening Depth	Test standard:	ISO 2639
	Material:	Steel specimens
	Production of specimens:	By the participants
	Results to be submitted:	depth of carburized (EHT / CHD)
	Assigned Value:	Consensus value
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2414-RG Determination of purity	Test standard:	e.g. EN 10247, DIN 50602
	Material:	Micrographs
	Results to be submitted:	Determination of metallic inclusion
	Assigned Value:	Consensus value
	Participation fee:	Germany 300 €, other countries + transport costs* estimated start: IV. quarter 2024
No. 2415 CMM tactile and optical	Test standard:	In house procedure
	Material:	MF Check reference body
	Production of specimens:	By the organiser
	Results to be submitted:	Measurement of geometrical characteristics
	Assigned Value:	Reference value
	Test sequence:	The reference body will be tested by several participants. There will be an arrangement of the dates in advance.
	Participation fee:	Germany 700 €, other countries + transport costs* estimated start: III. quarter 2024
No. 2416 Surface temper inspection	Test standard:	ISO 14104
	Material:	Roller bearings with defined surface temper flaws
	Results to be submitted:	Assessment of the equivalent flaw
	Assigned Value:	Consensus value
	Participation fee:	Germany 330 €, other countries + transport costs* estimated start: III. quarter 2024

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

Registration proficiency tests metal 2024: 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	
2401-HB-a	<input type="checkbox"/>	Hardness testing Brinell HBW 2,5/187,5	III/2024	4 weeks	2401-HB-a or 2401-HB-b: total 330 €* 2401-HB-a and 2401-HB-b: total 490 €*	
2401-HB-b	<input type="checkbox"/>	Hardness testing Brinell HBW 5/250	III/2024	4 weeks		
2401-HR	<input type="checkbox"/>	Hardness testing Rockwell C	III/2024	4 weeks	370 €*	
2401-HV-a	<input type="checkbox"/>	Hardness testing Vickers HV 1	III/2024	4 weeks	1 method: total 330 €*	
2401-HV-b	<input type="checkbox"/>	Hardness testing Vickers HV 10/HV 30	III/2024	4 weeks	2 methods: total 490 €*	
2401-HV-c	<input type="checkbox"/>	Hardness testing Vickers HV 0,3	III/2024	4 weeks	3 methods: total 690 €*	
2401-HT	<input type="checkbox"/>	Mobile hardness testing	III/2024	1 week	380 €*	
2402-Z	<input type="checkbox"/>	Testing of fasteners, Tensile test	III/2024	4 weeks	330 €*	
2402-RD	<input type="checkbox"/>	Testing of fasteners, Friction and Torque	III/2024	4 weeks	330 €*	
2403L	<input type="checkbox"/>	Emission spectrometry low alloyed steel	II/2024	4 weeks	1 alloy: total 310 €*	
2403H	<input type="checkbox"/>	Emission spectrometry high-alloyed steel	II/2024	4 weeks	2 alloys: total 550 €*	
2404Al	<input type="checkbox"/>	Emission spectrometry Aluminium-alloy	II/2024	4 weeks	1 alloy: total 310 €*	
2404Zn	<input type="checkbox"/>	Emission spectrometry Zinc-alloy	II/2024	4 weeks	2 alloys: total 550 €*	
2404Mg	<input type="checkbox"/>	Emission spectrometry Mg-alloy	II/2024	4 weeks	3 alloys: total 780 €*	
2405	<input type="checkbox"/>	Resistance to intergranular corrosion	III/2024	4 weeks	310 €*	
2406	<input type="checkbox"/>	Indirect verification of salt spray test chamber	II/2024	4 weeks	275 €*	
2407-RAIM	Standard samples: <input type="checkbox"/>	Tensile test aluminium, round specimens machined specimens	III/2024	4 weeks	2407-RAIM: 370 €* 2407-RAIU: 290 €* 2407-RAIM and 2407-RAIU: total 600 €*	
	Alternate samples: <input type="checkbox"/>					
2407-RAIU	<input type="checkbox"/>	Tensile test aluminium, round specimens unmachined specimens	III/2024	4 weeks		
2407-FAIM	<input type="checkbox"/>	Tensile test aluminium, flat specimens machined specimens	III/2024	4 weeks		
2407-FAIU	<input type="checkbox"/>	Tensile test aluminium, flat specimens unmachined specimens	III/2024	4 weeks		
2408-UT	<input type="checkbox"/>	UT	II/2024	1 week	1 method: total 350 €*	
2408-MT	<input type="checkbox"/>	MT	II/2024	1 week	2 methods: total 660 €*	
2408-ET	<input type="checkbox"/>	ET	II/2024	1 week	3 methods: total 930 €*	
2408-LT	<input type="checkbox"/>	LT	II/2024	1 week	4 methods: total 1.160 €*	
2408-OD	<input type="checkbox"/>	optical density	II/2024	1 week	5 methods: total 1.350 €*	
2408-RTAI	<input type="checkbox"/>	RT, Al specimen	II/2024	1 week	6 methods: total 1.500 €*	
2409-RM	Standard samples: <input type="checkbox"/>	Tensile test steel round specimens machined specimens	IV/2024	4 weeks	2409-RM: 450 €* 2409-RU: 350 €* 2409-RM and 2409-RU: total 700 €*	
	Alternate samples: <input type="checkbox"/>					
2409-RU	<input type="checkbox"/>	Tensile test steel round specimens unmachined specimens	IV/2024	4 weeks		
2409-BT	<input type="checkbox"/>	Bend test steel	III/2024	4 weeks		310 €*

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

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Please submit pages 8 to 10 for a binding order.

Registration proficiency tests metal 2024: part 2

No.	please mark	Proficiency test	Expected Start (quarter/2024)	Return of the results	Participation fee
2409-DV	<input type="checkbox"/>	Compression test steel	III/2024	4 weeks	350 €*
2409-RNi	<input type="checkbox"/>	Tensile test Nickel-based alloy, round specimens, RT	IV/2024	4 weeks	RT: 500 €* 600°C: 500 €* RT and 600°C: total 900 €*
2409-RWNi	<input type="checkbox"/>	Tensile test Nickel-based alloy, round specimens, 600°C	IV/2024	4 weeks	
2410FM	<input type="checkbox"/>	Tensile test steel flat specimens, 1-3 mm machined specimens	IV/2024	4 weeks	2410FM: 330 €* 2410FU: 285 €* 2410FM and 2410FU: total 550 €*
2410FU	<input type="checkbox"/>	Tensile test steel flat specimens, 1-3 mm unmachined specimens	IV/2024	4 weeks	
2410FDM	<input type="checkbox"/>	Tensile test steel flat specimens, 10-15 mm machined specimens	IV/2024	4 weeks	2410FDM: 370 €* 2410FDU: 330 €* 2410FDM and 2410FDU: total 620 €*
2410FDU	<input type="checkbox"/>	Tensile test steel flat specimens, 10-15 mm unmachined specimens	IV/2024	4 weeks	
2411-LM	<input type="checkbox"/>	Charpy impact test low level machined specimens	IV/2024	4 weeks	1 level: total 310 €* 2 levels: total 490 €* 3 levels: total 660 €* 4 levels: total 800 €* 5 levels: total 950 €*
2411-MM	<input type="checkbox"/>	Charpy impact test average level machined specimens			
2411-MM -20°C	<input type="checkbox"/>	Charpy impact test average level machined specimens, -20°C			
2411-HM	<input type="checkbox"/>	Charpy impact test high level machined specimens			
2411-SM	<input type="checkbox"/>	Charpy impact test super high level machined specimens			
2411-LU	<input type="checkbox"/>	Charpy impact test low level unmachined specimens	IV/2024	4 weeks	1 level: total 250 €* 2 levels: total 460 €* 3 levels: total 630 €* 4 levels: total 760 €* 5 levels: total 850 €*
2411-MU	<input type="checkbox"/>	Charpy impact test average level unmachined specimens			
2411-MU -20°C	<input type="checkbox"/>	Charpy impact test average level unmachined specimens, -20°C			
2411-HU	<input type="checkbox"/>	Charpy impact test high level unmachined specimens			
2411-SU	<input type="checkbox"/>	Charpy impact test super high level unmachined specimens			

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

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Please submit pages 8 to 10 for a binding order.**

Registration proficiency tests metal 2024: part 3

No.	please mark	Proficiency test	Expected Start (quarter/2024)	Return of the results	Participation fee
2412	<input type="checkbox"/>	Mobile Emission spectrometry and XRF	III/2024	4 weeks	300 €*
2413	<input type="checkbox"/>	Metallography, image analysis	III/2024	4 weeks	275 €*
2414	<input type="checkbox"/>	Metallography, sample preparation	III/2024	4 weeks	300 €*
2414-SD	<input type="checkbox"/>	Coating thickness Microscopical method	III/2024	4 weeks	300 €*
2414-DF	<input type="checkbox"/>	Delta ferrite determination	III/2024	4 weeks	300 €*
2414-CHD	<input type="checkbox"/>	Case Hardening Depth	III/2024	4 weeks	300 €*
2414-RG	<input type="checkbox"/>	Determination of purity	IV/2024	4 weeks	300 €*
2415	<input type="checkbox"/>	CMM tactile and optical	III/2024	4 weeks	700 €*
2416	<input type="checkbox"/>	Surface temper inspection	III/2024	1 weeks	330 €*

* 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:			
Necessary additional information (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 8 to 10 for a binding order.