



Price list
including the manufacturing of test specimens

A - Mechanical tests

1	-	tensile (torsion) test at room temperature	460
1a	*	graphic record of tensile (torsion) test	42
1b	*	additional determination of coefficient n or r	100
2	-	tension test at elevated temperature	950
3	-	hardness test	90
3a	-	hardness test in a line - gradient (more than 5 indents)	45
4	-	impact test at room temperature (RT)	515
5	-	impact test at defined temperature to -70 °C	650
6	-	impact test at temperature of liquid nitrogen	1050
7	*	the portion of ductile fraction, lateral expansion (only as part of impact test)	100
8	*	graphic record of instrumentation (only as part of impact test)	210

B - Manipulating tests

10	-	flattening test of tubes to $\text{Æ} 160$ mm	215
11	-	flattening test of tubes above $\text{Æ} 160$ mm	350
12	-	chisel test	270
13	-	drift expanding test, flaring test of tubes	215
14	-	ring expanding test of tubes	325
15	-	ring tensile test of tubes	400
16	-	crush (tamping) test	215
17	-	bend test or fracture test of weld	350
17b	-	face and root bend test of weld for parent metal thickness $t > 10$ mm	490
18	-	weld bead bend test	600

C - Corrosion tests

20	-	corrosion test - basic rate	1900
21	*	intergranular corrosion test (exposition to 24 hours)	520
21a	*	intergranular corrosion test (exposition to 12 hours)	100
21b	*	intergranular corrosion test (exposition to 120 hours)	2850
22	*	pitting and crevice corrosion test (exposition to 24 hours)	100
22a	*	pitting and crevice corrosion test (exposition to 120 hours)	1800
23	*	corrosion test - Huey test (5 cycles at 48 hours)	8500
24	*	additional metallographic evaluation of corrosion and depth of attack	550
25	*	sensitizing per furnace batch (max. 6 pcs.)	900

D - Macroscopic tests

31	-	macroscopic evaluation by step machining	600
32	-	macroscopic evaluation by fracture test	300
33	-	visual macroscopic evaluation	230
34	-	macroscopic test by evaluation of etching ground section	400
35	-	determination of the δ -ferrite content in the austenite by EMG method	90
36	-	hardenability test	3200

E - Microscopic test

40	-	mounting and preparing microsection	380
41	*	descriptive or comparative evaluation of microstructure	250
42	*	microstructure evaluation by measuring and calculation	375
43	*	microstructure test of weld (PM, HAZ, WM) - without preparing microsection	375



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F - Spectrometric tests

50	-	spectrometric test by stable spectrometer	820
51 *	-	tentative analysis, check of grade by mobil	360
52 *	-	recasting of chips to bulk specimen on GarriCast	340

G - Other tests

60	-	evaluation of the surface layers by pickling removal and weighting	430
61	-	removal the surface layers by pickling (for another tests)	240

H - Other works

80 *	-	original photo	120
81 *	-	additional copy of photo	25
82 *	-	laboratory heat treatment for 1°C / furnace batch / 1 hour + 1 hour for ramp	1
83 *	-	workshop beyond the usual manufacturing of test specimen for 1 hour	660
84 *	-	expert's work	1050
85 *	-	test report writing	260
86 *	-	transport by car for 1 km, including driver	15
87 *	-	transport by small truck for 1 km, including driver	20
88 *	-	time on road exclude driver and waiting at the customer	300

L - Surcharges and discounts

110	-	surcharge in the range of tests, depending on cutting material thickness		
		thickness in mm	ordinary material	tough material
		t < 6	-	5 %
		6 ≤ t < 12	5 %	10 %
		12 ≤ t < 24	15 %	20 %
		24 ≤ t < 48	25 %	30 %
		48 ≤ t < 72	35 %	40 %
		72 ≤ t	45 %	50 %
111	-	in the case of large batch of the same type test a base rate can be reduced up to		30 %

M - Additions and notes

- All prices are in Kč and without VAT
- For an items with * does not apply the surcharge depending on cutting material thickness
- We can arrange express performance tests (overtime, public holyday and night) for a surcharge.
- For samples of complicated shapes or hard-workable materials we will charged for necessary costs in the hourly rate of workshop - item 83.
- For some tests (for example macrostructure test, hardness) is necessary mounted and prepared small samples as microsection - item 40.
- For some tests and shapes of samples is possible to make a testing tools by agreement with the contractor in the hourly rate of workshop - item 83.