

Laboratory has personnel potential and suitable equipment for mechanical and metallographic testing of welded joints and base materials.

Mechanical testing:

- tensile
- bend
- hardness
- cupping

Metallographic testing: macroscopic, microscopic

Mechanical-Metallographic Laboratory is accredited for following tests ([Certificate preview – here](#)):

Mechanical tests – standard changes

**Type of test
Test method**

1	Static test by tensile on room temperature load up to 250 kN	SRPS EN 10002:1996
2	Static test by bending on room temperature load range up to 100 kN	SRPS C.A4005:1986
3	Shock test by Charpy test on room temperature range from 20	SRPS C.A4006:1986
4	Hardness test under Brinell	SRPS C.A4003:1985
5	Hardness test under Vickers	SRPS C.A4030:1986
6	Hardness test under Rockwell	SRPS ISO 6508:1994
7	Drag-out test by modified Charpy	SRPS C.A4004:1992
8	Wire test by alternately bending and tensile load range from 0.3mm do 10.0mm	SRPS C.A4018:1986
9	Metal sheets and strips by alternate bending and tensile load up to 3mm	SRPS ISO 7792:1992
10	Static test of helical springs by tension and pressing in a range from 4.9N do	SRPS DT 550

Mechanical tests – standard changes

Type of test
Test method

- | | | |
|---|---|--------------------|
| 1 | Macroscopic test of metals by etching with mineral acids | SRPS ČA 015:1987 |
| 2 | Microscopic grain size measurement for austenitic steels | SRPS ČA 81004:1985 |
| 3 | Microscopic distribution assessment of carbides in steels | SRPS ČA 3011:1985 |

{gallery}uz_tekstove/laboratorije/mm{/gallery}

{xtypo_rounded2}For information and questions please contact:

Milorad Kocic, MSc., IWE, Research Assistant, Manager of the Mechanical - Metallographic Laboratory | [Contact](#) |

Jelena Ignjatović, MSc., | [Contact](#) |{/xtypo_rounded2}