



**Laboratories of the Geological Institutes
Charles University – Faculty of Science, Prague**

External prices (Charles University non-members)

Ext. – 1/2023

Contact: lada@natur.cuni.cz

(do not include VAT)

Polishing lab	CZK/sample
Thin section (ca 25x35mm) standard	390
Thin section (“crumbled material”)	500
Polished thin section (ca 25x35mm) standard	630
Polished thin section (“crumbled material”)	760
Polished epoxy resin block (diam. 25mm) standard	450
Chemical lab (wet analysis & ICP-OES/QMS) – Major elements	
Whole rock analysis:	
Silicate analysis – S1 (incl. FeO, H ₂ O, H ₂ O ⁺ , CO ₂ *)	2290
Simplified silicate analysis – S2 (the volatile as LOI; Fe as Fe ₂ O ₃ Tot)	1790
Carbonate analysis (MgO, CaO, Fe ₂ O ₃ , MnO, CO ₂ , resid.)	
	790
ICP-QMS/OES – Trace elements	
Trace elements in rock **) (acid / borate flux)	1300
Trace elements in water	900
Determination of isotopic ratios ²⁰⁷ Pb/ ²⁰⁶ Pb and ²⁰⁸ Pb/ ²⁰⁶ Pb (solutions+ICP-QMS!!!)	900
Determination of isotopic ratios ²⁰⁷ Pb/ ²⁰⁶ Pb and ²⁰⁸ Pb/ ²⁰⁶ Pb (incl.decomposition+QMS)	1300
Determination of PGM (from liquid solution only)	1250
HPLC lab - anions	
Determination of anions F ⁻ , Cl ⁻ , SO ₄ ²⁻ , NO ₃ ⁻ , PO ₄ ³⁻ (conduct. max. 600µS)	220
ELTRA – Carbon and sulphur analyzer	
Determination of C _{tot} + S _{tot} („TC+TS“)	330
Determination of C _{org} (TOC) as (TC-TIC)	550
AMA 254 – Mercury analyzer	
Determination of total Hg (solid sample)	130
Determination of total Hg (solution)	110
ICP-MC-MS (contact L.Strnad / J.Trubač / M.Mihaljevič)	
Determination of isotopic ratios ²⁰⁷ Pb/ ²⁰⁶ Pb, ²⁰⁸ Pb/ ²⁰⁶ Pb, ²⁰⁶ Pb/ ²⁰⁴ Pb	
Laser ablation ICP-MS lab – trace elements in minerals, contact L.Strnad	
<i>in-situ</i> trace element analysis in silicate and/or sulfide minerals	approx. 20 000 per day
(polished resin block and/or polished thin section; thickness ~min. 50-100µm),	

*) SiO₂, TiO₂, Al₂O₃, Fe₂O₃, FeO, MnO, MgO, CaO, Na₂O, K₂O, P₂O₅

**) e.g.: REE, Pb, U, Th, Rb, Sr, Cs, Ba, V, Cr, Ni, Cu, Zn, Zr, Hf, Nb, (Li)