

Atomic Absorption Spectrometer GBC- AVANTA PM + Graphite Furnace

Specialist staff/operator: Principal chemist Dr. Eng. Imre-Lucaci Florica
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Operating hours: 10-14,

Available by appointment for a pre-assessment of sample complexity and worktime estimate



Used internally at UBB in scientific research activity (bachelor's, master's, doctorate) as well as for external tests performed based on orders from third parties.

Technical characteristics: Computer-assisted apparatus, with graphite furnace, for the quantitative determination, from solution, of: Cu, Ni, Cr, Fe, Co, Cd, Zn, Hg, Pb, Mn, As, Se, Sb, Sn, Ca, Mg, K, Na, Ag, Al, Au, Ti, V and Pt

Measurement ranges/precision class: 175-900nm, 5%/Samples brought into solution.

Areas of utility: Studies on the cathodic reduction of heavy metal ions in the solutions obtained from the treatment of the solid waste or wastewaters; Electrochemical recovery of metals from used electrochemical power sources and waste electrical and electronic equipment; Depollution of wastewater through combined electrochemical and ion exchange processes; Research on the processing of some vegetable products through the drying operation for their preservation.

Value: aprox. 35.000 EUR

Purchase year: 2005