

## INDUCTIVELY COUPLED PLASMA OPTICAL EMISSION SPECTROMETER

### Model:

Optima 2100-DV PERKIN-ELMER

### Features:

- **Measuring range: 160 - 900 nm**
- **Measurement resolution >0.009 nm - 200 nm.**
- **Allows the introduction of samples with aqueous or organic matrix.**
- **Nebulizer resistant to concentrated acids (50% HCl, 20% HF, etc.).**
- **Detection limit: 0.0001 ÷ 0.02 mg/L**



### Investigations/Results:

- Quantitative determination of minority and majority elements in various matrices (inorganic, organic).
- Detected elements: all elements, except: actinides, H, O and elements from groups VIIA, VIIIA.

**Opening hours:** Mon-Fri between 9 am – 4 pm

### Contact:

Email: [laura\\_muresan2003@yahoo.com](mailto:laura_muresan2003@yahoo.com) (Dr. CSII Laura Mureșan)

Phone: 0364-405975 or 0264-580165, ext. 6489 (Dr. CSII Laura Mureșan)

Address: Str. Fântânele no. 30, ICCRR-Inorganic Compounds Laboratory, lab 64, 2nd floor, Building B.

### Terms of use:

- In order to carry out the analyses, prior programming is required. The measurements will be performed taking into account the occupancy degree of the equipment. Analysis are performed in order of requests and are done only by qualified personnel, based on specific protocols.
- To keep the equipment in good working conditions, it is important to know the nature of the samples brought for analysis. Solid samples require additional solubilization operation.
- On request, based on the results, analysis bulletins are drawn up, more complex interpretations can be made that can be used for publication in journals. The results are sent by e-mail.