



INSTRUMENT USAGE SHEET
ATOMIC ABSORPTION – SOLAAR M SERIES

General Information

Instrument: Atomic Absorption – Solaar M Series

Brand: Unicam – Atomic Absorption

Location:

DBSV – LANZAVECCHIA Building

Via J.H. Dunant n. 3, Varese

Floor: -1 (VA.LANZAVECCHIA PS.010.0)

Contact Persons:

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Users List:

Dr. Veronica Prina

Training pathway: No; exclusive use by technical staff or responsible person. User access is not provided.

Internal tickets can be viewed on the intranet page (access with university credentials): <https://intranet.uninsubria.it/areadocumenti/ticket-strumenti-criett-utenti-interni>

The fee schedule for external users can be viewed on the website:

www.uninsubria.it/criett



Traceability of CRIETT activities in scientific publications (see CRIETT

Regulation art. 11): It is mandatory to acknowledge the CRIETT large-scale equipment used in scientific publications with the following wording:

“The scientific support from CRIETT centre of University of Insubria (instrument code: XXX) is greatly acknowledged”.

Instrument code: MAC28

Access Methods

1. Access with scientific technician (Full-Service)

Who: Research groups that use the instrument occasionally, external users, or those without qualified personnel.

How: Access is provided with the assistance of dedicated technical staff, who handle booking and instrument operation.

2. Occasional/temporary user: access is granted through the Contact Person or an authorized User.

Description and Functions

Atomic absorption (flame and graphite furnace) allows the analysis of:

- Metals (qualitative and quantitative analysis)

Technical features:

- Flame compartment
- Lamp compartment
- Graphite furnace compartment

Available hollow cathode lamps:

Pt, Rh, Pd, Ca/Mg/Si, Cr, Pb, Fe/Mn, Cu/Ni, Cd/Zn, In, Se, Au, Li, La, Ca/Mg, Sr, Al/Ti, Na/K, As, Co, Ag, Hg

- PC with analysis software

⚠ Safety Warnings

- Use only after appropriate training
- Do not touch lamps directly with fingers
- Clean thoroughly after use
- Turn off and close the acetylene cylinder after use
- In case of doubts or anomalies, contact the technician/contact person

Operational Notes

- Instrument booking is mandatory through the internal management system
- Self-service use is allowed only for trained and registered (authorized) users
- Any malfunctions must be promptly reported to CRIETT staff