

**MICA-X**

Laboratorio Microscopia a Infrarossi e Cristallografia A raggi X / Micro-Infrared &amp; Crystallographic Analysis by X-ray

Tariffario Laboratorio / Usage costs Laboratory

Sede/office: Via La Pira, 4, Firenze

Responsabile Tecnico/Technical Manager: Dott.ssa Elena Pecchioni

Responsabile Scientifico /Scientific Supervisor: Dott. Giovanni Orazio Lepore

e-mail: elena.pecchioni@unifi.it - giovanniorazio.lepore@unifi.it

È possibile concordare prezzi scontati sulla base della quantità dei campioni

A reduced price can be discussed based on the number of samples

**Analisi per diffrazione / Diffraction analysis (Philips)**

|                                                                                               | <u>conto terzi esterni/external</u> | <u>conto terzi esterni/external &gt; 40</u> | <u>dipartimenti unifi (unifi departments)</u> | <u>interni (internal)</u> |
|-----------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------|-----------------------------------------------|---------------------------|
| analisi qualitativa / qualitative analysis                                                    | 100 €                               | 70 €                                        | 50 €                                          | 6 €/ora                   |
| analisi semi- quantitativa (RIR) /semi-quantitative analysis (RIR)                            | 100 €                               | 70 €                                        | 50 €                                          | 6 €/ora                   |
| analisi semi- quantitativa (Rietveld) /semi-quantitative analysis (Rietveld)                  | 140 €                               | 100 €                                       | 70 €                                          | 10 €/ora                  |
| analisi quantitativa (Rietveld) / quantitative analysis (Rietveld)                            | 170 €                               | 125 €                                       | 90 €                                          | 15 €/ora                  |
| minerali argillosi /clay minerals                                                             | 200 €                               | 170 €                                       | 50 €                                          | 6 €/ora                   |
| misura e interpretazione dati cristallo singolo / measuremet and data analysis single crystal | 70€/h                               | 70€/h                                       | 60€/h                                         | 45€/h                     |
| analisi dati ad hoc / ad hoc data analysis (PDF, XAS, HP/HT...)                               | Da concordare / upon request        |                                             |                                               |                           |

**Analisi per diffrazione / Diffraction analysis (D6, Bruker)**

|                                                                                               | <u>conto terzi esterni/external</u> | <u>conto terzi esterni/external &gt; 40</u> | <u>dipartimenti unifi (unifi departments)</u> | <u>interni (internal)</u> |
|-----------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------|-----------------------------------------------|---------------------------|
| analisi qualitativa / qualitative analysis                                                    | 110 €                               | 80 €                                        | 55 €                                          | 7 €/ora                   |
| analisi semi- quantitativa (RIR) /semi-quantitative analysis (RIR)                            | 110 €                               | 80 €                                        | 55 €                                          | 7 €/ora                   |
| analisi semi- quantitativa (Rietveld) /semi-quantitative analysis (Rietveld)                  | 155 €                               | 155 €                                       | 155 €                                         | 55 €                      |
| analisi quantitativa (Rietveld) / quantitative analysis (Rietveld)                            | 190 €                               | 190 €                                       | 190 €                                         | 80 €                      |
| minerali argillosi /clay minerals                                                             | 220 €                               | 190 €                                       | 55 €                                          | 7 €/ora                   |
| misura e interpretazione dati cristallo singolo / measuremet and data analysis single crystal | 70€/h                               | 70€/h                                       | 60€/h                                         | 45€/h                     |
| analisi dati ad hoc / ad hoc data analysis (PDF, XAS, HP/HT...)                               | Da concordare / upon request        |                                             |                                               |                           |

**Preparazione campioni /Sample preparation**

|                                                            | <u>conto terzi esterni/external</u> | <u>conto terzi esterni/external &gt; 40</u> | <u>dipartimenti unifi (unifi departments)</u> | <u>interni (internal)</u> |
|------------------------------------------------------------|-------------------------------------|---------------------------------------------|-----------------------------------------------|---------------------------|
| PXRD standard                                              | 50 €                                | 25 €                                        | max 50 €                                      | max 50 €                  |
| Stereomicroscopio/stereomicroscope ZEISS Discovery V8      | 20€/h                               | 20€/h                                       | 10€/h                                         | 5€/h                      |
| Micromotore / micromotor Saeshin OZ Black                  | 20€/h                               | 20€/h                                       | 10€/h                                         | 5€/h                      |
| Pellet 13 mm                                               | 20 €                                | 20 €                                        | 10 €                                          | 5 €                       |
| Pellet 5 mm                                                | 30 €                                | 30 €                                        | 15 €                                          | 5 €                       |
| lucidatura e sezioni sottili / polishing and thin sections | su richiesta /upon request          |                                             |                                               |                           |

**Misure FTIR / FTIR Measurements (prezzi per ½ giornata / prices for ½ day)**

|                                                                        | <u>conto terzi esterni/external</u> | <u>ricerca (esterni) / research (external)</u> | <u>ricerca (interni) / research (internal)</u> |
|------------------------------------------------------------------------|-------------------------------------|------------------------------------------------|------------------------------------------------|
| Misure in trasmissione standard / Transmission measurements standard   | 300 €                               | 100 €                                          | 50 €                                           |
| Misure in ATR-macro / ATR-macro measurements                           | 300 €                               | 100 €                                          | 50 €                                           |
| Misure micro-FTIR trasm.-rifl. / transm.-refl. micro-FTIR measurements | 350 €                               | 150 €                                          | 50 €                                           |
| Misure micro-FTIR ATR / ATR micro-FTIR measurements                    | 350 €                               | 150 €                                          | 50 €                                           |
| misure ad hoc / ad hoc measurements (HT/LT, ...)                       | Da concordare / upon request        |                                                |                                                |