

Item	XRD Consulting Services	Rate (\$/sample)	Additional cost	Notes
1	General Phase Identification (Phase numbers are less than 6)	\$90		Sample quantity 1-5 grams
2	General Phase Identification (Phase numbers are less than 6)	\$90		sample quantity < 0.5 gram (capillary stage)
3	Clay and Rocks Phase Identification	\$120	\$25/sample (if crushing required)	Elemental analysis result is prerequisite
4	Quantitative analysis (Rietveld refinement)	\$180	\$60/hour if sample preparation required	Elemental analysis result is pre-requisite; sample quantity >10 grams
5	Quantitative analysis with provided scan and XRF result	\$90		

Note: 1. Samples have to be grounded to fine powders, Quantity of samples should be > 10 grams; Additional cost may be applied for preparation.

2. Qualitative analysis (Phase ID): < 0.5wt%.

3. Phase identification bases on ICDD database (the database is updated annually). Semi-quantitative analysis is free of charge if RIR value is available in the database. Accuracy cannot be guaranteed for semi-quantitative analysis results.

4. For XRF elemental analysis, please contact XRF Laboratory within MWAC.

5. Quantitative analysis accuracy ~< 4wt% for major phases (Rietveld refinement);

6. Turnover time: Phase ID 5 working days; Quantitative analysis 10 working days; Client will be informed in advance when the Lab is too busy to meet the deadline.

7. Samples will not be kept; Please notify Lab staff if return is required;

8. Please contact staff if client has any special requirement.

Contact:

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