UNSW AUSTRALIA

XRD Service Rate (UNSW commercial)

(2018)

Never Stand Still | Mark Wainwright Analytical Centre | Solid State and Elemental Analysis Unit

Iterm	XRD Consulting Services	Rate ($/sample, Exc GST)	Additional ($/sample)	Notes
1	General Phase Identification (Phase numbers are less than 6)	$150		sample quantity >10 grams
2	General Phase Identification (Phase numbers are less than 6)	$180		sample quantity 1-5 grams
3	General Phase Identification (Phase numbers are less than 6)	$150/hour		sample quantity < 0.5 gram (capillary tube)
4	Clay and Rocks Phase Identification	$180	$25 (crushing required)	Elemental analysis result is pre-requirement
5	General quantitative analysis (Rietveld refinement)	$290	$90/hour if sample preparation required	Elemental analysis result is pre-requirement; When multi-test on the same sample, client can get 15 - 50% discount for the additional tests.
6	Pharmaceutical phase identification (such as PER, USP, BP, etc.)	$350		General 2-scan analysis, pre-consultation required
7	Cement composition quantification (clinker, sulphate, limestone, FA/slag, etc.)	$750		Max 3 scans of analysis, pre-consultation required

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. Quality analysis (Phase ID): trace limit < 0.5wt%;

3. Phase identification bases on ICDD database (the database is updated annually); Semi-quantitative information would be free of charge if RIR value is available in the database, No accuracy can be provided;

4. XRF elemental analysis is available in Analytical Centre, UNSW.

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 once 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: Dr. Yu Wang

Phone: 61-2-93854669; Email: yu.wang@unsw.edu.au

Mark Wainwright Analytical Centre, UNSW

M69 Chemical Science Building, 2 High Street, Sydney, 2052 Australia