



UltraFine Sampling Options

Rev 3 June 2025

Basic requirement for UFF assay:

0.2 grams of 2 micron clay material, after separation from 40 to 60 grams of raw sample.

Samples within Australia			
Soil Type	Dry	Wet	Sample size
Residual soils 'normal'	2 mm screen	No screen, remove larger	200g in paper
clay content		Make note that sample is not	geochembag
outy contone		screened.	
Sandy soils	2 mm screen	No screen, remove larger	200g in paper
Stream sed.		rocks, grains and organic	geochem bag
Sand dune		matter.	
Low clay content	Field test: add material to	Make note that sample is not	
	water, and if there is cloudy	screened.	
	water after 10 minutes	Field tests add material to	
	setting, continue process.	Held lest: add material to	
		water after 10 minutes	
		settling, continue process.	
Clay bearing soil,	No Screen, remove large	No Screen, remove large	200g in paper
eg over 10% clay	rocks and organic matter.	rocks and organic matter.	geochem bag
International Samples, Outside Australia			
Soil Type	Dry	Wet	Sample size
Residual soils 'normal'	2 mm screen	No Screen, remove large	100g in paper
soil, approximately 5%		rocks and organic matter.	Geochem bag
clay content		Make note that sample is not	
International samples or		screened.	
Sandy soils	2 mm screen	No screen, remove larger	200g in paper
Stream sed.		rocks, grains and organic	Geochem bag
Sand dune		matter.	e e e e e e e e e e e e e e e e e e e
Low clay content	Field test: add material to	Make note that sample is not	
International samples or	water, and if there is cloudy	screened.	
difficult to transport	water after 10 minutes		
	settling, then continue	Field test: add material to	
	process.	water, and if there is cloudy	
		water after 10 minutes	
		process	
Clay bearing soil.	No Screen, remove large	No Screen, remove large	100g in paper
eg over 10% clay,	rocks and organic matter.	rocks and organic matter.	Geochem bag
International or difficult			
to transport			



0.2 g recovered clay powder, separated from a 40g raw sample: