

PREPARATION METHODS FOR ORELYSIS

Sample preparation is a very important first step of the analytical process.

The aim of sample preparation is to produce a homogeneous sub sample that is fully representative of the original raw sample submitted.

At Orelysis, we have various sample preparation packages/ methods for low-grade samples (soils, sediments etc) and also for relatively high-grade samples (cores, chips, concentrates etc). Some of our standard preparation methods are summarised below. Sample preparation schemes can be customised to suit requirements of any particular project. Please reach out to our expert team of geologists and geochemists for advice and discussion of your specific project needs.

OSP250 Packages				
All samples barcoded and logged into the Laboratory system (LIMS), weighed, dried				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE PER SAMPLE
1	OSP250	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 85 % passing 75 microns.	Drill core, RC, Percutions or rock chip samples	\$8.90 +\$090/kg
2	OSP250A	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$10.68 +\$090/kg
3	OSP250B	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$14.24 +\$090/kg
4	OSP250C	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$15.13 +\$090/kg
5	OSP250D	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$15.13 +\$090/kg
6	OSP250E	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 250g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$16.00 +\$090/kg

OSP500 Packages				
All samples barcoded and logged into the Laboratory system (LIMS), weighed, dried				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE PER SAMPLE
7	OSP500	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$9.45 +\$090/kg
8	OSP500A	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$11.34 +\$090/kg
9	OSP500B	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$15.12 +\$090/kg
10	OSP500C	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$16.10 +\$090/kg
11	OSP500D	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$16.10 +\$090/kg
12	OSP500E	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 500g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$17.00 +\$090/kg

OSP1000 Packages				
All samples barcoded and logged into the Laboratory system (LIMS), weighed, dried				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE PER SAMPLE
13	OSP1000	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$10.00 +\$090/kg
14	OSP1000A	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$12.00 +\$090/kg
15	OSP1000B	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$16.00 +\$090/kg
16	OSP1000C	Fine crushing the sample to 70 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$17.00 +\$090/kg
17	OSP1000D	Fine crushing the sample to 80 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$17.00 +\$090/kg
18	OSP1000E	Fine crushing the sample to 90 % of the sample passing 2mm, a split of up to 1000g is pulverized to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$18.00 +\$090/kg

CRUSHING				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE
29	CR70	Fine crushing to 70 % of the sample passing 2mm	Drill core or rock chip samples	\$3.20 + <i>\$080/kg</i>
30	CR80	Fine crushing to 80 % of the sample passing 2mm	Drill core or rock chip samples	\$3.30 + <i>\$080/kg</i>
31	CR85	Fine crushing to 85 % of the sample passing 2mm	Drill core or rock chip samples	\$3.65 + <i>\$080/kg</i>
32	CR90	Fine crushing to 90 % of the sample passing 2mm	Drill core or rock chip samples	\$4.33 + <i>\$080/kg</i>

PULVERISING				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE PER SAMPLE
33	PL250	Pulverized 250g to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$5.20
34	PL250C	Pulverized 250g to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$6.10
35	PL500	Pulverized 500g to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$6.30
36	PL500C	Pulverized 500 to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$7.00
37	PL1000	Pulverized 1000g to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$7.40
38	PL1000C	Pulverized 1000g to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$8.90
39	PL2000	Pulverized 2000g to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$11.50
40	PL2000C	Pulverized 2000g to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$12.60
41	PL3000	Pulverized 3000g to better than 85 % passing 75 microns.	Drill core or rock chip samples	\$16.50
42	PL3000C	Pulverized 3000g to better than 90 % passing 75 microns.	Drill core or rock chip samples	\$17.70

For areas that contain no or little outcroppings, effective soil sampling and soil preparation procedures can help to inform and delineate the mineralisation below the surface. The effectiveness of your soil program depends on the quality of the sampling and sample preparation strategy and process. Orelisis is experienced in the intricacies of soil preparation for mineral exploration and will help to ensure your soil preparation program is as effective as possible while maintaining cost effectiveness.

Orelisis soil preparation packages include the following:

SOILS AND SEDIMENTS PREPARATION METHODS				
All samples barcoded and logged into the Laboratory system (LIMS), weighed				
#	PREP CODE	DESCRIPTION	SUITABILITY	INDICATIVE PRICE PER SAMPLE
19	SCN63	Dried <60°C/140°F, disintegrated, Sieved to 63microns (230mesh), retain both fractions	Soils and steam sediment and Silts samples	\$3.90
20	SCN75	Dried <60°C/140°F, disintegrated, Sieved to 75microns (200mesh), retain both fractions	Soils and steam sediment and Silts samples	\$3.00
21	SCN106	Dried <60°C/140°F, disintegrated, Sieved to 106microns (140mesh), retain both fractions	Soils and steam sediment and Silts samples	\$2.50
22	SCN180	Dried <60°C/140°F, disintegrated, Sieved to 180microns (80mesh), retain both fractions	Soils and steam sediment and Silts samples	\$2.00
23	SCN180	Dried <60°C/140°F, disintegrated, Sieved to 180micron (80mesh), retain minus fractions only	Soils and steam sediment and Silts samples	\$2.00
24	SCN250	Dried <60°C/140°F, disintegrated, Sieved to 250microns (60mesh), retain both fractions	Soils and steam sediment and Silts samples	\$1.90
25	SCN500	Dried <60°C/140°F, disintegrated, Sieved to 500microns (35mesh), retain both fractions	Soils and steam sediment and Silts samples	\$1.50
26	SCN850	Dried <60°C/140°F, disintegrated, Sieved to 850microns (20mesh), retain both fractions	Soils and steam sediment and Silts samples	\$1.50
27	SCN2000	Dried <60°C/140°F, disintegrated, Sieved to 2000microns (10mesh), retain both fractions	Soils and steam sediment and Silts samples	\$1.50
28	SCN2000A	Dried <60°C/140°F, disintegrated, Sieved to 2000microns (10mesh), retain minus fractions only	Soils and steam sediment and Silts samples	\$1.50