

Rum Jungle Resources Ltd

Preparation Methods used by AMDEL/ Bureau Veritas

Prep 2

The samples of up to 500 g are dried at a core temperature of approximately 100°C. The total sample is then milled in an LM1 pulveriser to 90% passing 106 µm.

If crushing required prior to pulverising use the following:

Prep 2,3

The sample is dried. The total sample is jaw crushed and then milled in a LM5 pulveriser to 90% passing 106 µm. An analytical pulp of 250g is taken from the bulk and the residue retained, where practical, in the original bag.

Prep 5

The samples of up to 500g are dried at a core temperature of approximately 100°C. The total sample is then milled in an LM1 pulveriser to 90% passing 106 µm.

Prep for ARM10

A subsample of 10g is digested using a mixture of nitric and hydrochloric acid. The resultant solution is bulked to volume with water and quantified using ICPOES/ICPMS.

Prep for IC4M

A 0.1g subsample of the analytical pulp is fused with lithium metaborate followed by dissolution to give a “total solution”. That solution is presented to an ICPMS for the determination of elements of interest.

Prep for ICPOES (Adelaide Facility)

A 0.1g subsample of the analytical pulp is fused with lithium metaborate followed by dissolution to give a “total solution”. That solution is presented to an ICPOES for the determination of elements of interest.

Prep for IC3E/M

A subsample of up to 0.2g of the analytical pulp is digested using a HF/multi-acid digest and the solution is presented to an ICPOES/ICPMS for the quantification of the elements of interest. Some elements may bias low due to mineralisation in the sample.

Prep for MET1

A multi-element suite of elements by ICP is used where elemental concentrations are high or where other metallurgical products are present. A modified multi-acid digest is used to dissolve the elements being analysed.

Prep for FA3

A subsample of 40g of the analytical pulp is fused in a lead collection fire assay. The resulting prill is digested in aqua-regia and the gold content of the sample is determined by graphite furnace AAS. Range to 200 ppb.

Prep for FA3E

A subsample of 40g of the analytical pulp is fused in a lead collection fire assay. The resulting prill is digested in aqua-regia and the gold content of the sample is determined by ICPOES. Range to 200 ppb.