

MPS Laboratory Capabilities

Testwork and Sample Preparation

INTRODUCTION

Our laboratory space is located at The Australian Minerals Research Centre in Perth. Our experienced metallurgists are highly skilled in all fields of testwork and sample preparation. MPS is capable of conducting all necessary testwork on the premises.

COLUMN WORK

We conduct various forms of column testwork to simulate heap leach conditions. These tests are performed in varying sizes from mini columns, standard columns, pulse columns and 6m columns. We operate these columns using the GlyLeach™ and GlyCat™ processes, furthermore, we have the capacity to conduct comparative testwork using other hydrometallurgical processes.

6-METRE COLUMNS



SAMPLE PREPARATION

MPS' sample preparation capabilities include: a jaw and cone crusher, rod mill, ring pulverisor, rotary and riffle splitters of varying sizes.

Particle size distribution analysis is conducted via wet & dry screening and we have the capacity to liberate material to sub 32 µm and the ability to crush and grind larger competent material.

6-METRE COLUMNS



RESIN COLUMNS



MINI COLUMNS



MINI COLUMNS



Laboratory Capabilities continued

BOTTLE ROLL LEACH TESTS

Three different sized bottle roll tests can be performed.



PILOT PLANTS

We have recently conducted more than 1200 hours of continuous piloting programs.



LABORATORY ANALYSIS

In-house analysis of free glycine and cyanide in solution using proprietary tests. We also have the capacity to determine Cu^+ and Cu^{2+} in solution.



OTHER CERTIFIED LABORATORIES

MPS has two certified laboratories, located in Santiago, Chile and Denver, USA that can run all necessary testwork.

