



HUMIDITY CELL—ASTM METHOD D5744-07

Inter-Mountain Labs now offers ASTM Method D5744-07: Standard Test method for Laboratory Weathering of Solid Materials Using a Humidity Cell. This kinetic test method covers a laboratory weathering procedure that (1) enhances reaction-product transport in the aqueous leach of a solid material sample of specific mass, and (2) measures rates of weathering-product mass release. Soluble weathering products are mobilized by a fixed-volume aqueous leach that is performed and collected weekly. This test is intended for use to meet kinetic testing regulatory requirements for mining waste rock and ore.

Analytical Requirements and Capabilities

Type II reagent grade deionized water used as the extraction fluid

Ultra-Purified Chemical Reagents

IML provides “in-house” analytics of extract, thereby reducing holding and turn-around times

Certified by NDEP for extract analysis

Leachate samples are analyzed for pH, alkalinity/acidity, specific conductance, sulfate, and other selected analytes

Run time: 20 weeks or longer if required

Isolated temperature and humidity controlled chamber

Analytical Expertise

IML is celebrating its 30th year of providing high quality regulatory compliance data to the mining industry

Knowledgeable Project Managers Assigned to Every Client

Flexible Reporting

Lab Reports Available in Excel, pdf, and Database Formats

Customized Reporting Available

Sample Requirements: Humidity Cell test require approximately 1 kg of 1/4 inch minus mine rock

For More Information Contact:

Eric Brandjord (ebrandjord@imlinc.com) or Chris Johnston (cjohnston@imlinc.com)

Business Development • (307) 672-8945