

Certified Pulp Iron Ore Reference Material - GIOP-74

Certificate of Analysis

| Analyte | Units | Average | Standard Deviation | Count | 95% Confidence Interval |
|-----------|-------|---------|--------------------|-------|-------------------------|
| Fe | % | 59.19 | 0.16 | 49 | +/- 0.05 |
| Fe (Calc) | % | 59.236 | 0.056 | 46 | +/- 0.017 |
| SiO2 | % | 4.565 | 0.037 | 45 | +/- 0.011 |
| Al2O3 | % | 2.331 | 0.024 | 46 | +/- 0.007 |
| TiO2 | % | 0.113 | 0.0061 | 50 | +/- 0.0018 |
| Mn | % | 0.0809 | 0.0031 | 50 | +/- 0.0009 |
| CaO | % | 0.429 | 0.0084 | 50 | +/- 0.0024 |
| P | % | 0.0503 | 0.0012 | 50 | +/- 0.0003 |
| S | % | 0.0371 | 0.0014 | 50 | +/- 0.0004 |
| MgO | % | 0.108 | 0.013 | 50 | +/- 0.004 |
| K2O | % | 0.0184 | 0.0037 | 47 | +/- 0.0011 |
| Zn | % | 0.0045 | | | |
| Pb | % | 0.0054 | | | |
| Cu | % | 0.0046 | | | |
| Ba | % | 0.0053 | | | |
| V | % | 0.002 | | | |
| Cr | % | 0.0042 | 0.001 | 37 | +/- 0.0003 |
| Cl | % | 0.0093 | 0.0037 | 46 | +/- 0.0011 |
| As | % | 0.0048 | | | |
| Ni | % | 0.0027 | | | |
| Co | % | 0.0032 | | | |
| Sn | % | 0.0046 | | | |
| Sr | % | 0.0028 | | | |
| Zr | % | 0.0053 | | | |
| Na | % | 0.0227 | 0.0082 | 49 | +/- 0.0024 |
| LOI425 | % | 6.251 | 0.055 | 46 | +/- 0.016 |
| LOI650 | % | 7.06 | 0.1 | 49 | +/- 0.03 |
| LOI | % | 7.434 | 0.052 | 50 | +/- 0.015 |

Control Statistic Details

Control values for this material were determined during a certification program.

Certification Date

This material was certified with the above values on: 1/12/2010

Source Material

Prior to homogenisation and testing, this material was sourced from Pilbara

Usage

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This product is for use in the mining industry as a reference material for monitoring and testing the accuracy of laboratory assaying.

Preparation and Packaging

This certified reference material was dried in an oven for a minimum of 8 hours at 105°C. The dry material was pulverised in a "puck and bowl" and then homogenised in a vee-blender. The material is then packaged into 10g plastic packets, ready for shipment.

Certification Testwork

This certified reference material was tested in a dedicated certification program. 10 samples were sent to 5 laboratories for XRF analyses. Assay distributions are checked and processed statistically, producing monitoring statistics for these standards. Materials are tested regularly to ensure stability and homogeneity.