

Certified Pulp Iron Ore Reference Material - GIOP-118

Certificate of Analysis

| Analyte | Units | Average | Standard Deviation | Count | 95% Confidence Interval |
|--------------------------------|-------|---------|--------------------|-------|-------------------------|
| Fe | % | 71.51 | 0.13 | 50 | +/- 0.04 |
| Fe (Calc) | % | 71.506 | 0.079 | 50 | +/- 0.023 |
| SiO ₂ | % | 0.763 | 0.037 | 50 | +/- 0.011 |
| Al ₂ O ₃ | % | <0.01 | | | |
| TiO ₂ | % | <0.01 | | | |
| Mn | % | 0.0491 | 0.0019 | 50 | +/- 0.0005 |
| CaO | % | 0.0493 | 0.0035 | 50 | +/- 0.001 |
| P | % | 0.0058 | 0.0012 | 50 | +/- 0.0003 |
| S | % | 0.0026 | 0.0015 | 39 | +/- 0.0005 |
| MgO | % | 0.0576 | 0.0099 | 50 | +/- 0.0028 |
| K ₂ O | % | <0.01 | | | |
| Zn | % | 0.0034 | | | |
| Pb | % | 0.0078 | | | |
| Cu | % | 0.0071 | 0.0025 | 40 | +/- 0.0008 |
| Ba | % | 0.0055 | | | |
| V | % | 0.0021 | | | |
| Cr | % | 0.2681 | 0.0031 | 49 | +/- 0.0009 |
| Cl | % | 0.0071 | | | |
| As | % | 0.011 | | | |
| Ni | % | 0.1539 | 0.0051 | 50 | +/- 0.0015 |
| Co | % | 0.0026 | | | |
| Sn | % | 0.0033 | | | |
| Sr | % | 0.007 | | | |
| Zr | % | 0.0079 | | | |
| Na | % | 0.019 | | | |
| LOI ₄₂₅ | % | -0.856 | 0.064 | 40 | +/- 0.021 |
| LOI ₆₅₀ | % | -2.604 | 0.095 | 50 | +/- 0.027 |
| LOI | % | -3.857 | 0.03 | 49 | +/- 0.009 |
| FeO | % | 25.13 | 0.73 | 50 | +/- 0.21 |

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:

21/07/2011

Source Material

Prior to homogenisation and testing, this material was sourced from Yilgarn, Western Australia

10A Marsh Close, O'Connor
Western Australia 6163
Phone +618 93142566 Fax +618 93143699
Email info@geostats.com.au
Website <http://www.geostats.com.au>

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| <p>GEOSTATS PTY LTD</p> <p>Mining Industry Consultants Reference Material Manufacture and Sales</p> |
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Usage

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.