

## Australian Iron Ore

Art. ID RRM-Fe-116-1KG  
Unit 1 kg  
Deliverydetails No Dangerous Good /not restricted

### Description

Elements and Oxides determined as follows: Multi-element Iron Ore Suite - XRF fused disc analysis /// Loss on Ignition - Thermo Gravimetric Analysis

| Text/Information                                        | Analyte/Parameter              | CAS number  | Concentration/Value | Unit | Method | Source |
|---------------------------------------------------------|--------------------------------|-------------|---------------------|------|--------|--------|
| Corrected for moisture<br>according to ISO2596:20<br>06 | Iron (Fe)                      | [7439-89-6] | 45,28               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | Iron (Fe) calculated           |             | 45,37               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | SiO <sub>2</sub>               |             | 14,14               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | Al <sub>2</sub> O <sub>3</sub> |             | 10,02               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | TiO <sub>2</sub>               |             | 0,948               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | CaO                            |             | 0,144               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | K <sub>2</sub> O               |             | 0,068               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | MgO                            | [1309-48-4] | 0,236               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20<br>06 | Manganese (Mn)                 | [7439-96-5] | 0,415               | %    |        |        |
| Corrected for moisture<br>according to ISO2596:20       | Phosphorus (P)                 | [7723-14-0] | 0,031               | %    |        |        |

|                                                |                                      |             |       |   |
|------------------------------------------------|--------------------------------------|-------------|-------|---|
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Sulfur (S)                           | [7704-34-9] | 0,057 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (371 °C)  |             | 6,40  | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (425 °C)  |             | 7,05  | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (650 °C)  |             | 8,18  | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (1000 °C) |             | 8,60  | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Arsenic (As)                         | [7440-38-2] | 0,006 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Chlorine (Cl)                        | [7782-50-5] | 0,009 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Cobalt (Co)                          | [7440-48-4] | -     | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Copper (Cu)                          | [7440-50-8] | 0,001 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Lead (Pb)                            | [7439-92-1] | 0,023 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Zinc (Zn)                            | [7440-66-6] | 0,003 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture according to ISO2596:20 | Barium (Ba)                          | [7440-39-3] | 0,034 | % |
| 06                                             |                                      |             |       |   |
| Corrected for moisture                         | Chromium (Cr)                        | [7440-47-3] | 0,014 | % |

according to ISO2596:20

06

|                        |             |             |       |   |
|------------------------|-------------|-------------|-------|---|
| Corrected for moisture | Nickel (Ni) | [7440-02-0] | 0,001 | % |
|------------------------|-------------|-------------|-------|---|

according to ISO2596:20

06

|                        |          |             |   |   |
|------------------------|----------|-------------|---|---|
| Corrected for moisture | Tin (Sn) | [7440-31-5] | - | % |
|------------------------|----------|-------------|---|---|

according to ISO2596:20

06

|                        |                |             |       |   |
|------------------------|----------------|-------------|-------|---|
| Corrected for moisture | Strontium (Sr) | [7440-24-6] | 0,004 | % |
|------------------------|----------------|-------------|-------|---|

according to ISO2596:20

06

|                        |              |             |       |   |
|------------------------|--------------|-------------|-------|---|
| Corrected for moisture | Vanadium (V) | [7440-62-2] | 0,018 | % |
|------------------------|--------------|-------------|-------|---|

according to ISO2596:20

06

|                        |                |             |       |   |
|------------------------|----------------|-------------|-------|---|
| Corrected for moisture | Zirconium (Zr) | [7440-67-7] | 0,025 | % |
|------------------------|----------------|-------------|-------|---|

according to ISO2596:20

06

|                         |           |             |       |   |
|-------------------------|-----------|-------------|-------|---|
| Drying to constant mass | Iron (Fe) | [7439-89-6] | 45,01 | % |
|-------------------------|-----------|-------------|-------|---|

|                         |                      |  |       |   |
|-------------------------|----------------------|--|-------|---|
| Drying to constant mass | Iron (Fe) calculated |  | 45,02 | % |
|-------------------------|----------------------|--|-------|---|

|                         |                  |  |       |   |
|-------------------------|------------------|--|-------|---|
| Drying to constant mass | SiO <sub>2</sub> |  | 14,06 | % |
|-------------------------|------------------|--|-------|---|

|                         |                                |  |      |   |
|-------------------------|--------------------------------|--|------|---|
| Drying to constant mass | Al <sub>2</sub> O <sub>3</sub> |  | 9,88 | % |
|-------------------------|--------------------------------|--|------|---|

|                         |                  |  |       |   |
|-------------------------|------------------|--|-------|---|
| Drying to constant mass | TiO <sub>2</sub> |  | 0,941 | % |
|-------------------------|------------------|--|-------|---|

|                         |     |  |       |   |
|-------------------------|-----|--|-------|---|
| Drying to constant mass | CaO |  | 0,139 | % |
|-------------------------|-----|--|-------|---|

|                         |                  |  |       |   |
|-------------------------|------------------|--|-------|---|
| Drying to constant mass | K <sub>2</sub> O |  | 0,067 | % |
|-------------------------|------------------|--|-------|---|

|                         |     |             |       |   |
|-------------------------|-----|-------------|-------|---|
| Drying to constant mass | MgO | [1309-48-4] | 0,240 | % |
|-------------------------|-----|-------------|-------|---|

|                         |                |             |       |   |
|-------------------------|----------------|-------------|-------|---|
| Drying to constant mass | Manganese (Mn) | [7439-96-5] | 0,411 | % |
|-------------------------|----------------|-------------|-------|---|

|                         |                |             |       |   |
|-------------------------|----------------|-------------|-------|---|
| Drying to constant mass | Phosphorus (P) | [7723-14-0] | 0,031 | % |
|-------------------------|----------------|-------------|-------|---|

|                         |            |             |       |   |
|-------------------------|------------|-------------|-------|---|
| Drying to constant mass | Sulfur (S) | [7704-34-9] | 0,053 | % |
|-------------------------|------------|-------------|-------|---|

|                         |                                       |  |      |   |
|-------------------------|---------------------------------------|--|------|---|
| Drying to constant mass | Loss on Ignition (L.O.I<br>) (371 °C) |  | 6,93 | % |
|-------------------------|---------------------------------------|--|------|---|

|                         |                                       |  |      |   |
|-------------------------|---------------------------------------|--|------|---|
| Drying to constant mass | Loss on Ignition (L.O.I<br>) (425 °C) |  | 7,51 | % |
|-------------------------|---------------------------------------|--|------|---|

|                         |                                       |  |      |   |
|-------------------------|---------------------------------------|--|------|---|
| Drying to constant mass | Loss on Ignition (L.O.I<br>) (650 °C) |  | 8,70 | % |
|-------------------------|---------------------------------------|--|------|---|

|                         |                                        |  |      |   |
|-------------------------|----------------------------------------|--|------|---|
| Drying to constant mass | Loss on Ignition (L.O.I<br>) (1000 °C) |  | 9,13 | % |
|-------------------------|----------------------------------------|--|------|---|

|                         |              |             |       |   |
|-------------------------|--------------|-------------|-------|---|
| Drying to constant mass | Arsenic (As) | [7440-38-2] | 0,006 | % |
|-------------------------|--------------|-------------|-------|---|

|                         |               |             |       |   |
|-------------------------|---------------|-------------|-------|---|
| Drying to constant mass | Chlorine (Cl) | [7782-50-5] | 0,010 | % |
|-------------------------|---------------|-------------|-------|---|

|                         |                |             |       |   |
|-------------------------|----------------|-------------|-------|---|
| Drying to constant mass | Cobalt (Co)    | [7440-48-4] | -     | % |
| Drying to constant mass | Copper (Cu)    | [7440-50-8] | 0,001 | % |
| Drying to constant mass | Lead (Pb)      | [7439-92-1] | 0,027 | % |
| Drying to constant mass | Zinc (Zn)      | [7440-66-6] | 0,003 | % |
| Drying to constant mass | Barium (Ba)    | [7440-39-3] | 0,031 | % |
| Drying to constant mass | Chromium (Cr)  | [7440-47-3] | 0,015 | % |
| Drying to constant mass | Nickel (Ni)    | [7440-02-0] | 0,003 | % |
| Drying to constant mass | Tin (Sn)       | [7440-31-5] | -     | % |
| Drying to constant mass | Strontium (Sr) | [7440-24-6] | 0,004 | % |
| Drying to constant mass | Vanadium (V)   | [7440-62-2] | 0,018 | % |
| Drying to constant mass | Zirconium (Zr) | [7440-67-7] | 0,027 | % |