

Australian Iron Ore

Art. ID RRM-Fe-121-1KG
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 according to ISO2596:20 06 | Iron (Fe) | [7439-89-6] | 54,55 | % | | |
| Corrected for moisture according to ISO2596:20 06 | Iron (Fe) calculated | | 54,61 | % | | |
| Corrected for moisture according to ISO2596:20 06 | SiO ₂ | | 12,64 | % | | |
| Corrected for moisture according to ISO2596:20 06 | Al ₂ O ₃ | | 2,32 | % | | |
| Corrected for moisture according to ISO2596:20 06 | TiO ₂ | | 0,075 | % | | |
| Corrected for moisture according to ISO2596:20 06 | CaO | | 0,043 | % | | |
| Corrected for moisture according to ISO2596:20 06 | K ₂ O | | 0,016 | % | | |
| Corrected for moisture according to ISO2596:20 06 | MgO | [1309-48-4] | 0,059 | % | | |
| Corrected for moisture according to ISO2596:20 06 | Manganese (Mn) | [7439-96-5] | 0,154 | % | | |
| Corrected for moisture according to ISO2596:20 | Phosphorus (P) | [7723-14-0] | 0,056 | % | | |

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| 06 | Corrected for moisture according to ISO2596:20 | Sulfur (S) | [7704-34-9] | 0,020 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (371 °C) | | 5,34 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (425 °C) | | 5,56 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (650 °C) | | 6,07 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Loss on Ignition (L.O.I .) (1000 °C) | | 6,30 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Arsenic (As) | [7440-38-2] | 0,002 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Chlorine (Cl) | [7782-50-5] | 0,005 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Cobalt (Co) | [7440-48-4] | 0,001 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Copper (Cu) | [7440-50-8] | 0,002 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Lead (Pb) | [7439-92-1] | 0,003 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Zinc (Zn) | [7440-66-6] | 0,012 | % |
| 06 | Corrected for moisture according to ISO2596:20 | Barium (Ba) | [7440-39-3] | 0,002 | % |
| 06 | Corrected for moisture | Chromium (Cr) | [7440-47-3] | 0,002 | % |

according to ISO2596:20

06

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|------------------------|-------------|-------------|-------|---|
| Corrected for moisture | Nickel (Ni) | [7440-02-0] | 0,002 | % |
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according to ISO2596:20

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| Corrected for moisture | Tin (Sn) | [7440-31-5] | - | % |
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according to ISO2596:20

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| Corrected for moisture | Strontium (Sr) | [7440-24-6] | - | % |
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according to ISO2596:20

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| Corrected for moisture | Vanadium (V) | [7440-62-2] | 0,001 | % |
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according to ISO2596:20

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| Corrected for moisture | Zirconium (Zr) | [7440-67-7] | 0,003 | % |
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according to ISO2596:20

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| Drying to constant mass | Iron (Fe) | [7439-89-6] | 54,41 | % |
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| Drying to constant mass | Iron (Fe) calculated | | 54,47 | % |
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| Drying to constant mass | SiO ₂ | | 12,62 | % |
|-------------------------|------------------|--|-------|---|

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| Drying to constant mass | Al ₂ O ₃ | | 2,30 | % |
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|-------------------------|------------------|--|-------|---|
| Drying to constant mass | TiO ₂ | | 0,078 | % |
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| Drying to constant mass | CaO | | 0,039 | % |
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| Drying to constant mass | K ₂ O | | 0,016 | % |
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| Drying to constant mass | MgO | [1309-48-4] | 0,044 | % |
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| Drying to constant mass | Manganese (Mn) | [7439-96-5] | 0,152 | % |
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| Drying to constant mass | Phosphorus (P) | [7723-14-0] | 0,057 | % |
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| Drying to constant mass | Sulfur (S) | [7704-34-9] | 0,019 | % |
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| Drying to constant mass | Loss on Ignition (L.O.I) (371 °C) | | 5,50 | % |
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| Drying to constant mass | Loss on Ignition (L.O.I) (425 °C) | | 5,77 | % |
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| Drying to constant mass | Loss on Ignition (L.O.I) (650 °C) | | 6,24 | % |
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| Drying to constant mass | Loss on Ignition (L.O.I) (1000 °C) | | 6,56 | % |
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| Drying to constant mass | Arsenic (As) | [7440-38-2] | 0,002 | % |
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| Drying to constant mass | Chlorine (Cl) | [7782-50-5] | 0,009 | % |
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|-------------------------|----------------|-------------|-------|---|
| Drying to constant mass | Cobalt (Co) | [7440-48-4] | 0,001 | % |
| Drying to constant mass | Copper (Cu) | [7440-50-8] | 0,001 | % |
| Drying to constant mass | Lead (Pb) | [7439-92-1] | 0,004 | % |
| Drying to constant mass | Zinc (Zn) | [7440-66-6] | 0,015 | % |
| Drying to constant mass | Barium (Ba) | [7440-39-3] | 0,002 | % |
| Drying to constant mass | Chromium (Cr) | [7440-47-3] | 0,002 | % |
| Drying to constant mass | Nickel (Ni) | [7440-02-0] | 0,002 | % |
| Drying to constant mass | Tin (Sn) | [7440-31-5] | 0,005 | % |
| Drying to constant mass | Strontium (Sr) | [7440-24-6] | 0,001 | % |
| Drying to constant mass | Vanadium (V) | [7440-62-2] | 0,002 | % |
| Drying to constant mass | Zirconium (Zr) | [7440-67-7] | 0,005 | % |