

## QUICK WEB LINKS

**PRIMARY GOLD ORE**

**OXIDE GOLD ORE**

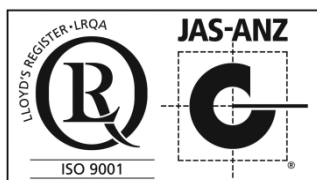
**PRIMARY COPPER-GOLD ORE**

**OXIDE COPPER-GOLD ORE**

*Primary means sulphide bearing (unoxidised)*

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ORE Pty Ltd is accredited to ISO 9001:2008 by Lloyd's Register Quality Assurance Ltd for its quality management system including development, manufacturing, certification and supply of CRMs.

Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>BLANK CRMs (pulpes)</b>					
Quartz oxide matrix blank (multi-element)	OREAS 21e*	Au <1ppb; Cu, Ni, Pb, Zn all <10ppm	see certificate	10 / 60 / 1000	\$1.94 / \$3.50 / \$58.23
Quartz primary matrix blank (multi-element)	OREAS 22e*	Au <1ppb; Cu, Ni, Pb, Zn all <10ppm	see certificate	10 / 60 / 1000	\$1.94 / \$3.50 / \$58.23
Basalt lithogeochem blank	OREAS 24c**	Au <1ppb; Cu 48.6ppm; Ni 138ppm	see certificate	10 / 60 / 1000	\$1.94 / \$3.50 / \$58.23
Granodiorite matrix blank (multi-element)	OREAS 23a*	Au 3ppb; Cu 42ppm; Ni 41ppm; Pb 21ppm	see certificate	10	\$1.94
Granodiorite lithogeochem (FA, full ICP suites, AR, 4A, Fus-ICP, Fus-XRF, etc)	OREAS 24b**	Au <3ppb; Cu 38.0ppm; Pb 23.1ppm	see certificate	10 / 60 / 1000	\$3.00 / \$9.35 / \$155.00
Soil lithogeochem blank	OREAS 25a**	Au <2ppb; Cu 33.9ppm; Pb 25.2ppm	see certificate	10 / 60 / 1000	\$3.00 / \$9.35 / \$155.00
<b>BLANK CRMs (chip – nominal minus 6 mm)</b>					
Basalt chip lithogeochem blank	OREAS 26a*	Au <1ppb; Cu 50ppm; Pb 2.73ppm	see certificate	500g 20kg	\$12.50 / \$400.00
Basalt chip lithogeochem blank	OREAS 26b*	Au <1ppb; Cu 44ppm; FeO 10.35%	see certificate	1kg 20kg 200kg	\$31.20 / \$500.00 / \$3750.00
Rhyodacite chip lithogeochem blank	OREAS 27*	Au <1ppb; Cu 4.6ppm; Pb 25ppm	see certificate	500g 20kg	\$12.50 / \$400.00
Rhyodacite chip lithogeochem blank	OREAS 27b*	Au <1ppb; Cu 5.6ppm; Pb 26ppm	see certificate	500g 20kg 200kg	\$12.50 / \$400.00 / \$3000.00
<b>MULTI-ELEMENT GEOCHEM CRMs (pulpes)</b>					
Anomalous ferruginous soil (FA, full ICP scans, AR, 4A, Fus-ICP, Fus-XRF, etc)	OREAS 45d**	Au 23ppb; Pd 35ppb; Pt 48ppb; Cu 371ppm; Ni 231ppm; Cr 549ppm	see Certificate	10 / 60 / 500	\$3.00 / \$9.35 / \$77.50
Anomalous ferruginous soil (FA, full ICP scans, AR, 4A, Fus-ICP, Fus-XRF, etc)	OREAS 45e**	Au 53ppb; Pd 75ppb; Pt 110ppb; Cu 780ppm; Ni 454ppm; Cr 979ppm	see Certificate	10 / 60 / 500	\$3.00 / \$9.35 / \$77.50
<b>GOLD, GOLD-COPPER &amp; GOLD-SILVER CRMs (pulpes)</b>					
Copper ore (argillaceous sandstones)	OREAS 903**	Aqua Regia Au <5ppb; Cu 0.652%; CuSol 0.434%	see certificate	10 / 60 / 1000	\$3.00 / \$9.35 / \$155.00
Anomalous gold (lateritic)	OREAS H1*	Au 12ppb; Cu 28ppm	1ppb; 1.5ppm	60 / 500	\$5.34 / \$44.50
Copper ore (argillaceous sandstones)	OREAS 904**	Au 45ppb; Cu 0.612%; CuSol 0.519%	see certificate	10 / 60 / 500	\$3.00 / \$9.35 / \$77.50
Anomalous gold (lateritic)	OREAS H5*	Au 47ppb; Cu 99ppm	6ppb; 5.5ppm	60 / 500	\$5.34 / \$44.50

^packaged in single use nitrogen equilibrated pouches as a precaution to stabilise sulphides. Not recommended for purchase in 1kg jars;

\*see certificates for additional certified elements; \*\*SuperCRM® - full ICP-OES and ICP-MS suite certification.

Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>GOLD, GOLD-COPPER &amp; GOLD-SILVER CRMs (pulpes) continued</b>					
Copper-gold bearing oxide (oxidised VMS / weathered rhyodacite)	OREAS 906**	Au 49ppb; Cu 0.310%; CuSol 0.259%	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Copper-gold bearing (quartz monzonite porphyry)	OREAS 151b*	Au 65ppb; Cu 0.182%	6ppb; 0.005%	60 / 500	\$7.35 / \$61.00
Copper-gold bearing oxide (oxidised VMS / weathered rhyodacite)	OREAS 907**	Au 100ppb; Cu 0.638%; CuSol 0.533%	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Copper-gold bearing (quartz monzonite porphyry)	OREAS 152b*	Au 132ppb; Cu 0.375%	5ppb; 0.008%	60 / 500	\$7.35 / \$61.00
Iron oxide copper-gold bearing (IOCG felsic volcanic breccia)	OREAS 520**^	Au 176ppb; Cu 0.293%; Co 203ppm	see certificate	10 / 60 / 100 / 500	\$3.45 / \$9.35 / \$15.58 / \$77.50
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 908**	Au 187ppb; Cu 1.26%; CuSol 1.06%	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Gold-copper ore (IOCG felsic volcanic breccia)	OREAS 59a^	Au 191ppb; Cu 0.344%; Fe 17.9%; Mo 80ppm; Co 743ppm	see certificate	50	\$7.35
Silver-copper-gold ore (rhyodacite)	OREAS 600**	Au 200ppb; Ag 24.8ppm; Cu 482ppm	6ppb; 1.01ppm; 22.6ppm	10 / 60 / 1000	\$3.00 / \$7.35 / \$122.00
<del>Copper-gold-molybdenum ore (quartz monzonite porphyry)</del> <i>Replacement available in April: OREAS 501c</i>	<del>OREAS 501b**</del>	<del>Au 248ppb; Cu 0.260%; Mo 99ppm</del>	<del>see certificate</del>	<del>10 / 60 / 1000</del>	<del>\$3.00 / \$7.35 / \$122.00</del>
Gold-copper ore (IOCG felsic volcanic breccia)	OREAS 59b^	Au 303ppb; Cu 0.576%; Fe 20.0%; Mo 123ppm; Co 892ppm	see certificate	50	\$7.35
Gold bearing oxide (weathered greenstone)	OREAS 250*	Au 309ppb; Cu 44.7ppm	13ppb; 1.3ppm	60 / 1000	\$5.34 / \$89.00
Copper-gold ore (quartz monzonite porphyry)	OREAS 153b*	Au 313ppb; Cu 0.678%	9ppb; 0.015%	60 / 500	\$7.35 / \$61.00
Gold bearing (greenstone-hosted orogenic lode)	OREAS 217*	Au FA 338ppb Au AR 333ppb	10ppb 17ppb	60 / 1000	\$5.34 / \$89.00
Iron oxide copper-gold ore (IOCG felsic volcanic breccia)	OREAS 521**^	Au 376ppb; Cu 0.607%; Co 386ppm	see certificate	10 / 60 / 100	\$3.45 / \$9.35 / \$15.58
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 905**	Au 391ppb; Cu 0.153%; CuSol 0.127%	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Copper-gold-molybdenum ore (quartz monzonite porphyry)	OREAS 502b**	Au 495ppb; Cu 0.773%; Mo 238ppm	see certificate	10 / 60 / 1000	\$3.00 / \$7.35 / \$122.00
Gold oxide ore (weathered greenstone)	OREAS 251*	Au 0.504ppm; Cu 47.5ppm	15ppb; 2.4ppm	60 / 1000	\$5.34 / \$89.00
Gold bearing (greenstone-hosted orogenic lode)	OREAS 218*	Au FA 0.531ppm Au AR 0.524ppm	0.017ppm 0.020ppm	60 / 1000	\$5.34 / \$89.00
Iron oxide copper-gold ore (IOCG felsic volcanic breccia)	OREAS 522**^	Au 0.574ppm; Cu 0.916%; Co 550ppm	see certificate	10 / 60 / 100	\$3.45 / \$9.35 / \$15.58

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<b><i>GOLD, GOLD-COPPER &amp; GOLD-SILVER CRMs (pulp) continued</i></b>					
Gold-copper ore (IOCG felsic volcanic breccia)	OREAS 59c <sup>*^</sup>	Au 0.595ppm; Cu 1.02%; Fe 19.9%; Mo 181ppm; Co 749ppm	see certificate	50	\$7.35
Gold bearing oxide (weathered greenstone)	OREAS 252 <sup>*</sup>	Au 0.674ppm; Cu 49.4ppm	22ppb; 2.8ppm	60 / 1000	\$5.34 / \$89.00
Copper-gold-molybdenum ore (quartz monzonite porphyry)	OREAS 503b <sup>**</sup>	Au 0.695ppm; Cu 0.531%; Mo 319ppm	see certificate	10 / 60 / 1000	\$3.00 / \$7.35 / \$122.00
Gold bearing (metasediments/basalt)	OREAS 202 <sup>*</sup>	Au 0.752ppm	0.026ppm	60 / 1000	\$5.34 / \$89.00
Silver-copper-gold ore (rhyodacite)	OREAS 601 <sup>**</sup>	Au 0.780ppm; Ag 49.2ppm; Cu 0.101%	0.031ppm; 2.02ppm; 0.004%	10 / 60 / 100 / 1000	\$3.00 / \$7.35 \$12.25 / \$122.00
Gold-copper ore (IOCG felsic volcanic breccia)	OREAS 59d <sup>*^</sup>	Au 0.801ppm Cu 1.47% Fe 26.8% Mo 310ppm Co 899ppm	see certificate	50	\$7.35
Gold bearing (greenstone-hosted orogenic lode)	OREAS 220 <sup>*</sup>	Au FA 0.866ppm Au AR 0.853ppm	0.020ppm 0.034ppm	60 / 1000	\$5.34 / \$89.00
Iron oxide copper-gold ore (IOCG felsic volcanic breccia)	OREAS 523 <sup>**^</sup>	Au 1.04ppm; Cu 1.72%; Co 728ppm	see certificate	10 / 60 / 100	\$3.45 / \$9.35 / \$15.58
Gold bearing (greenstone-hosted orogenic lode)	OREAS 221 <sup>*</sup>	Au FA 1.06ppm Au AR 1.04ppm	0.036ppm 0.039ppm	60 / 1000	\$5.34 / \$89.00
Gold bearing (greenstone-hosted orogenic lode)	OREAS 222 <sup>*</sup>	Au FA 1.22ppm Au AR 1.21ppm	0.033ppm 0.057ppm	60 / 1000	\$5.34 / \$89.00
Gold oxide ore (weathered greenstone/scoria)	OREAS 253 <sup>*</sup>	Au FA 1.22ppm Au AR 1.22ppm	0.044ppm 0.045ppm	60 / 500	\$5.34 / \$44.50
Silver-copper-gold ore (rhyodacite)	OREAS 604 <sup>**^</sup>	Au 1.43ppm; Ag 488ppm; Cu 2.16%	0.055ppm; 14.6ppm; 0.049%	10 / 60	\$3.00 / \$7.35
Iron oxide copper-gold ore (IOCG felsic volcanic breccia)	OREAS 524 <sup>**^</sup>	Au 1.54ppm; Cu 2.53%; Co 728ppm	see certificate	10 / 60 / 100	\$3.45 / \$9.35 / \$15.58
Gold ore (metasediments/basalt)	OREAS 15d	Au 1.56ppm	0.04ppm	1000	\$89.00
Gold ore (metasediments/basalt)	OREAS 209 <sup>*</sup>	Au 1.58ppm	0.044ppm	60 / 1000	\$5.34 / \$89.00
Copper-gold-molybdenum ore (quartz monzonite porphyry)	OREAS 504b <sup>**</sup>	Au 1.61ppm; Cu 1.11%; Mo 499ppm	see certificate	10 / 60 / 500	\$3.00 / \$7.35 / \$61.00
Silver-copper-gold ore (rhyodacite)	OREAS 605 <sup>**^</sup>	Au 1.67ppm; Ag 965ppm; Cu 5.02%	0.086ppm; 25.2ppm; 0.152%	10 / 60	\$3.00 / \$7.35
Gold bearing (greenstone-hosted orogenic lode)	OREAS 223 <sup>*</sup>	Au FA 1.78ppm Au AR 1.77ppm	0.045ppm 0.067ppm	60 / 1000	\$5.34 / \$89.00
Silver-copper-gold ore (rhyodacite)	OREAS 602 <sup>**^</sup>	Au 1.95ppm; Ag 120ppm; Cu 0.515%	0.066ppm; 5.0ppm; 0.017%	10 / 60	\$3.00 / \$7.35

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<b>GOLD, GOLD-COPPER &amp; GOLD-SILVER CRMs (pulpes) continued</b>					
Gold bearing (greenstone-hosted orogenic lode)	OREAS 224*	Au FA 2.15ppm Au AR 2.14ppm	0.053ppm 0.076ppm	60 / 1000	\$5.34 / \$89.00
Gold-silver ore (epithermal meta-andesite)	OREAS 60c*	Au 2.47ppm Ag 4.87ppm	0.08ppm 0.22ppm	60 / 500	\$5.34 / \$44.50
Gold oxide ore (weathered greenstone/scoria)	OREAS 254*	Au FA 2.55ppm Au AR 2.50ppm	0.076ppm 0.093ppm	60 / 1000	\$5.34 / \$89.00
Gold ore (greenstone-hosted orogenic lode)	OREAS 214	Au FA 3.03ppm Au AR 2.92ppm	0.08ppm 0.09ppm	60 / 100 500	\$5.34 / \$8.90 / \$44.50
Gold ore (greenstone-hosted orogenic lode)	OREAS 215	Au FA 3.54ppm Au AR 3.41ppm	0.10ppm 0.13ppm	60 / 100 500	\$5.34 / \$8.90 / \$44.50
Gold oxide ore (weathered greenstone/scoria)	OREAS 255*	Au FA 4.08ppm Au AR 4.01ppm	0.087ppm 0.123ppm	60 / 500	\$5.34 / \$44.50
Gold-silver ore (epithermal meta-andesite)	OREAS 61e*	Au 4.43ppm Ag 5.27ppm	0.15ppm 0.43ppm	60 / 500	\$5.34 / \$44.50
Silver-copper-gold ore (rhyodacite)	OREAS 603**^	Au 5.18ppm; Ag 284ppm; Cu 1.00%	0.15ppm; 15.9ppm; 0.034%	10 / 60 / 100 / 1000	\$3.00 / \$7.35 \$12.25 / \$122.00
Gold ore (metasediments/basalt)	OREAS 210**^	Au 5.49ppm	0.152ppm	60	\$5.34
Gold ore (greenstone-hosted orogenic lode)	OREAS 216	Au FA 6.66ppm Au AR 6.53ppm	0.16ppm 0.20ppm	60 / 100 500	\$5.34 / \$8.90 / \$44.50
Gold oxide ore (weathered greenstone/scoria)	OREAS 256*	Au FA 7.66ppm Au AR 7.54ppm	0.238ppm 0.304ppm	60 / 500	\$5.34 / \$44.50
Gold ore (greenstone-hosted orogenic lode)	OREAS 228*	Au FA 8.73ppm Au AR 8.72ppm	0.279ppm 0.390ppm	60 / 500	\$5.34 / \$44.50
Gold-silver ore (epithermal meta-andesite)	OREAS 62e*	Au 9.13ppm Ag 9.86ppm	0.41ppm 0.34ppm	60 / 500	\$5.34 / \$44.50
Gold ore (greenstone-hosted orogenic lode)	OREAS 229*	Au FA 12.11ppm Au AR 11.75ppm	0.206ppm 0.635ppm	60 / 1000	\$5.34 / \$89.00
Gold oxide ore (weathered greenstone)	OREAS 257*	Au FA 14.18ppm Au AR 13.96ppm	0.264ppm 0.284ppm	60 / 500	\$5.34 / \$44.50
<b>GOLD CHIP CRMs (-3mm)</b>					
Gold ore (greywacke)	OREAS 6Ca	Au 1.48ppm	0.104	500	\$33.20
Gold ore (greywacke)	OREAS 7Ca	Au 2.54ppm	0.159	500	\$33.20
<b>COPPER CRMs (pulpes)</b>					
Barren shale/siliceous dolomite	OREAS 160*	Cu 13ppm	2ppm	10	\$3.00
Cu-bearing siltstone	OREAS 920**	Cu 112ppm	4ppm	10 / 500	\$3.45 / \$172.50
Cu-bearing siltstone	OREAS 91*	Cu 265ppm	13ppm	10	\$3.00
Cu-bearing siltstone	OREAS 921**	Cu 274ppm	9ppm	10 / 1000	\$3.45 / \$345.00

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Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b><i>COPPER CRMs (pulpes) continued</i></b>					
Silver-copper-gold ore (rhyodacite)	OREAS 600**	Cu 482ppm; Au 200ppb; Ag 24.8ppm	22.6ppm; 6ppb; 1.01ppm	10 / 60 / 1000	\$3.00 / \$7.35 / \$122.00
Silver-copper-gold ore (rhyodacite)	OREAS 601**	Cu 0.101%; Au 0.780ppm; Ag 49.2ppm	0.004%; 0.031ppm; 2.02ppm	10 / 60 / 1000	\$3.00 / \$7.35 / \$122.00
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 905**	Cu 0.153%; CuSol 0.127%; Au 391ppb	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Massive sulphide low grade ore breccia	OREAS 110*^	Cu 0.160%	0.005%	10	\$3.00
Copper ore (sediment-hosted)	OREAS 922**	Cu 0.212%	0.0086%	10 / 1000	\$3.45 / \$345.00
Copper low grade ore argillaceous sandstone	OREAS 902**	Cu 0.301% Cu-Sol 0.111%	0.008% 0.011%	10 / 1000	\$3.00 / \$155.00
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 906**	Cu 0.310%; CuSol 0.259%; Au 49ppb	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Cu sulphide low grade ore (sed-hosted)	OREAS 161*^	Cu 0.400%	0.013%	10	\$3.00
Copper ore (sediment-hosted)	OREAS 923**	Cu 0.423%	0.0086%	10 / 1000	\$3.45 / \$345.00
Copper ore (sediment-hosted)	OREAS 924**	Cu 0.512%	0.028%	10 / 1000	\$3.45 / \$345.00
Silver-copper-gold ore (rhyodacite)	OREAS 602**^	Cu 0.515%; Au 1.95ppm; Ag 120ppm	0.017%; 0.066ppm; 5.0ppm	10 / 60	\$3.00 / \$7.35
Copper (gold) ore argillaceous sandstones	OREAS 904**	Cu 0.612% Au 45ppb	0.021% 4.3ppb	10 / 60 / 500	\$3.00 / \$9.35 / \$77.50
Copper ore (sediment-hosted)	OREAS 925**	Cu 0.615%	0.021%	10 / 1000	\$3.45 / \$345.00
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 907**	Cu 0.638%; CuSol 0.533%; Au 100ppb	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Copper ore argillaceous sandstones	OREAS 903**	Cu 0.652% Cu-Sol 0.434%	0.020% 0.030%	10 / 60 / 1000	\$3.00 / \$9.35 / \$155.00
Cu sulphide ore (sed-hosted)	OREAS 162*^	Cu 0.761%	0.036%	10	\$3.00
Copper ore (sediment-hosted)	OREAS 926**	Cu 0.813%	0.027%	10 / 1000	\$3.45 / \$345.00
Silver-copper-gold ore (rhyodacite)	OREAS 603**^	Cu 1.00%; Au 5.18ppm; Ag 284ppm	0.034%; 0.15ppm; 15.9ppm	10 / 60	\$3.00 / \$7.35
Cu sulphide ore (sed-hosted)	OREAS 927**	Cu 1.08%	0.024%	10 / 1000	\$3.45 / \$345.00
Copper-gold oxide ore (oxidised VMS / weathered rhyodacite)	OREAS 908**	Cu 1.26%; CuSol 1.06%; Au 187ppb	see certificate	10 / 60 / 500	\$3.45 / \$9.35 / \$77.50
Cu sulphide ore (sed-hosted)	OREAS 928*	Cu 1.53%	0.071%	10 / 1000	\$3.45 / \$345.00
Cu sulphide ore (sed-hosted)	OREAS 163*^	Cu 1.71%	0.08%	10	\$3.00

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<b><i>COPPER CRMs (pulpes) continued</i></b>					
Cu sulphide ore (sed-hosted)	OREAS 929*	Cu 2.00%	0.056%	10 / 1000	\$3.45 / \$345.00
Silver-copper-gold ore (rhyodacite)	OREAS 604**^	Cu 2.16%; Au 1.43ppm; Ag 488ppm	0.049%; 0.055ppm; 14.6ppm	10 / 60	\$3.00 / \$7.35
Cu sulphide ore (sed-hosted)	OREAS 164*^	Cu 2.22%	0.09%	10	\$3.00
Massive sulphide ore breccia	OREAS 111*^	Cu 2.30%	0.12%	10	\$3.00
Massive sulphide ore breccia	OREAS 111b*^	Cu 2.44%	0.12%	10	\$3.00
Cu sulphide ore (sed-hosted)	OREAS 930*^	Cu 2.52%	0.062%	10	\$3.45
Cu sulphide ore (sed-hosted)	OREAS 165*^	Cu 3.21%	0.15%	10	\$3.00
Cu sulphide ore (sed-hosted)	OREAS 931*^	Cu 3.82%	0.110%	10	\$3.45
Cu sulphide ore (sed-hosted)	OREAS 96*^	Cu 3.93%	0.11%	10	\$3.00
Silver-copper-gold ore (rhyodacite)	OREAS 605**^	Cu 5.02%; Au 1.67ppm; Ag 965ppm	0.152%; 0.086ppm; 25.2ppm	10 / 60	\$3.00 / \$7.35
Massive sulphide ore breccia	OREAS 112*^	Cu 5.13%	0.23%	10	\$3.00
Cu sulphide ore (sed-hosted)	OREAS 932*^	Cu 6.13%	0.181%	10	\$3.45
Cu sulphide ore (sed-hosted)	OREAS 97*^	Cu 6.31%	0.34%	10	\$3.00
High grade copper ore	OREAS 933*^	Cu 8.37%	0.250%	10	\$3.45
Cu sulphide ore (sed-hosted)	OREAS 166*^	Cu 8.75%	0.35%	10	\$3.00
High grade copper ore	OREAS 934*^	Cu 9.59%	0.234%	10	\$3.45
High grade copper ore	OREAS 935*^	Cu 12.6%	0.4%	10	\$3.45
Massive sulphide ore breccia	OREAS 113*^	Cu 13.3%	0.5%	10	\$3.00
Cu sulphide ore (sed-hosted)	OREAS 98*^	Cu 14.8%	0.4%	10	\$3.00
<b><i>CONCENTRATE CRMs (pulpes)</i></b>					
Copper-gold-silver sulphide concentrate	OREAS 991^	Ag 48.14ppm Au 47.04ppm Cu 20.66%	0.90ppm 0.22ppm 0.053%	50	\$22.50
Copper-silver sulphide concentrate	OREAS 99b*^	Cu 28.90% Ag 81.1ppm	0.10% 2.5ppm	10	\$4.57
Copper sulphide refinery product	OREAS 992^	Cu 43.90% S 36.97%	0.18% 0.56%	10	\$4.57

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<b>CONCENTRATE CRMs (pulpes) continued</b>					
Zinc sulphide concentrate	OREAS 350 <sup>^</sup>	Zn 44.12% Pb 8.22% Ag 96.6ppm	0.14% 0.21% 2.68ppm	10	\$4.57
Zinc sulphide concentrate	OREAS 351 <sup>^</sup>	Zn 46.97% Pb 3.85% Ag 120ppm	0.15% 0.07% 3ppm	10	\$4.57
Lead sulphide concentrate	OREAS 352 <sup>^</sup>	Pb 58.14% Zn 2.21% Ag 9.43ppm	0.14% 0.056% 0.666ppm	10	\$4.57
Nickel-cobalt sulphide refinery product	OREAS 78 <sup>^</sup>	Co 23.74% Ni 25.79% S 28.61%	0.34% 0.27% 0.44%	10	\$4.57
<b>NICKEL SULPHIDE CRMs (pulpes)</b>					
Komatiite altered ultramafic	OREAS 70b <sup>**^</sup>	Ni 0.218%	0.010%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 72b <sup>**^</sup>	Ni 0.686%	0.025%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 73b <sup>**^</sup>	Ni 1.48%	0.035%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 74a <sup>*^</sup>	Ni 3.14%	0.175%	10	\$3.00
Komatiite-hosted nickel sulphide ore	OREAS 74b <sup>**^</sup>	Ni 3.38%	0.093%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 75a <sup>*^</sup>	Ni 5.11%	0.21%	10	\$3.00
Komatiite-hosted nickel sulphide ore	OREAS 75b <sup>**^</sup>	Ni 5.29%	0.185%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 76a <sup>*^</sup>	Ni 7.29%	0.23%	10	\$3.00
Komatiite-hosted nickel sulphide ore	OREAS 76b <sup>**^</sup>	Ni 7.62%	0.209%	10	\$3.45
Komatiite-hosted nickel sulphide ore	OREAS 77a <sup>*^</sup>	Ni 10.71%	0.40%	10	\$3.00
Komatiite-hosted nickel sulphide ore	OREAS 77b <sup>**^</sup>	Ni 11.30%	0.301%	10	\$3.45
<b>NICKEL LATERITE CRMs (pulpes)</b>					
Transitional (saprolite-limonite) ore	OREAS 180 <sup>*</sup>	Ni 3093ppm Co 244ppm Sc 41.5ppm	39ppm 7ppm 1.80ppm	10 / 1000	\$3.20 / \$240.00
Transitional (saprolite-limonite) ore	OREAS 181 <sup>*</sup>	Ni 5123ppm Co 541ppm Sc 38.2ppm	59ppm 11ppm 1.27ppm	10 / 1000	\$3.20 / \$240.00
Transitional (saprolite-limonite) ore	OREAS 182 <sup>*</sup>	Ni 0.707% Co 728ppm	0.006% 7ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 183 <sup>*</sup>	Ni 0.995% Co 225ppm	0.018% 14ppm	10 / 1000	\$3.00 / \$220.00
Transitional (saprolite-limonite) ore	OREAS 184 <sup>*</sup>	Ni 1.02% Co 903ppm	0.01% 23ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 185 <sup>*</sup>	Ni 1.14% Co 388ppm	0.02% 17ppm	10 / 1000	\$3.00 / \$220.00

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<sup>\*</sup>see certificates for additional certified elements; <sup>\*\*</sup>SuperCRM® - full ICP-OES and ICP-MS suite certification.



Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>NICKEL LATERITE CRMs (pulpes) continued</b>					
Transitional (saprolite-limonite) ore	OREAS 186*	Ni 1.23% Co 692ppm	0.02% 25ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 187*	Ni 1.37% Co 636ppm	0.02% 19ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 189*	Ni 1.48% Co 326ppm	0.03% 13ppm	10 / 1000	\$3.00 / \$220.00
Transitional (saprolite-limonite) ore	OREAS 190*	Ni 1.64% Co 889ppm	0.03% 24ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 191*	Ni 1.75% Co 665ppm	0.03% 22ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 192*	Ni 1.77% Co 404ppm	0.03% 12ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 193*	Ni 1.93% Co 495ppm	0.03% 15ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 194*	Ni 2.13% Co 428ppm	0.04% 17ppm	10 / 1000	\$3.00 / \$220.00
Saprolitic ore	OREAS 195*	Ni 2.94% Co 477ppm	0.05% 16ppm	10 / 1000	\$3.00 / \$220.00
Lateritic scandium (nickel-cobalt) ore	OREAS 197*	Sc 203ppm Co 331ppm Ni 524ppm	7ppm 9ppm 27ppm	10 / 1000	\$3.20 / \$240.00
Lateritic scandium (nickel-cobalt) ore	OREAS 198*	Sc 401ppm Co 807ppm Ni 688ppm	19ppm 19ppm 28ppm	10 / 1000	\$3.20 / \$240.00
Lateritic scandium (nickel-cobalt) ore	OREAS 199*	Sc 591ppm Co 557ppm Ni 995ppm	11ppm 18ppm 51ppm	10 / 1000	\$3.20 / \$240.00
<b>COPPER-NICKEL-PGE CRMs (pulpes)</b>					
Gabbronorite (disseminated sulphides)	OREAS 13b*	Ni 2247ppm Cu 2327ppm Pt 197ppb Pd 131ppb Au 211ppb	155ppm 48ppm 13ppb 9ppb 13ppb	10 / 60	\$3.00 / \$9.35
Magmatic massive sulphide	OREAS 14P*^	Ni 2.10% Cu 0.997% Pt 97ppb Pd 149ppb Au 51ppb	0.07% 0.03% 8ppb 8ppb 6ppb	10 / 60 / 100	\$3.00 / \$7.48 / \$11.58
<b>Zn-Pb-Ag CRMs (pulpes) – Broken Hill Type</b>					
Zinc sulphide ore (meta-sediment/sulphide)	OREAS 36*^	Zn 4.19% Ag 10.17ppm Pb 0.579%	0.07% 0.63ppm 0.016%	10	\$4.25
Zinc sulphide ore (meta-sediment/sulphide)	OREAS 37*^	Zn 6.26% Ag 5.19ppm Pb 0.615%	0.15% 0.63ppm 0.017%	10	\$4.25
Zinc sulphide ore (meta-sediment/sulphide)	OREAS 38*^	Zn 10.06% Ag 5.49ppm Pb 0.592%	0.14% 0.42ppm 0.018%	10	\$4.25

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Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>Zn-Pb-Ag CRMs (pulpes) – SEDEX Type</b>					
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 131b* <sup>^</sup>	Ag 33.3ppm Pb 1.88% Zn 3.04%	0.7ppm 0.02% 0.04%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 132a* <sup>^</sup>	Ag 57.0ppm Pb 3.64% Zn 4.98%	1.3ppm 0.05% 0.07%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 132b* <sup>^</sup>	Ag 60.7ppm Pb 3.86% Zn 5.25%	1.7ppm 0.05% 0.04%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 133a* <sup>^</sup>	Ag 100ppm Pb 4.90% Zn 10.9%	1ppm 0.08% 0.15%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 133b* <sup>^</sup>	Ag 104ppm Pb 5.06% Zn 11.3%	2ppm 0.13% 0.15%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 134a* <sup>^</sup>	Ag 200ppm Pb 12.8% Zn 17.3%	2ppm 0.24% 0.22%	10	\$4.25
Zn-Pb-Ag sulphide ore (carbonate siltstone)	OREAS 134b* <sup>^</sup>	Ag 209ppm Pb 13.4% Zn 18.0%	5ppm 0.19% 0.25%	10	\$4.25
<b>Zn-Pb-Cu-Ag-Au CRMs (pulpes) – VMS Type</b>					
Zn-Pb-Cu-Ag-Au sulphide ore (rhyodacite)	OREAS 620** <sup>^</sup>	Ag 38.5ppm; Pb 0.774%; Zn 3.15%; Cu 0.173%; Au 0.685ppm	see certificate	10 / 60	\$3.90 / \$11.70
Zn-Pb-Cu-Ag-Au sulphide ore (rhyodacite)	OREAS 621** <sup>^</sup>	Ag 69ppm; Pb 1.36%; Zn 5.22%; Cu 0.363%; Au 1.25ppm	see certificate	10 / 60	\$3.90 / \$11.70
Zn-Pb-Cu-Ag-Au sulphide ore (rhyodacite)	OREAS 622** <sup>^</sup>	Ag 102ppm; Pb 2.21%; Zn 10.24%; Cu 0.486%; Au 1.85ppm	see certificate	10 / 60	\$3.90 / \$11.70
Zn-Pb-Cu-Ag-Au sulphide ore (rhyodacite)	OREAS 623** <sup>^</sup>	Ag 20.4ppm; Pb 0.250%; Zn 1.03%; Cu 1.73%; Au 0.827ppm	see certificate	10 / 60	\$3.90 / \$11.70
Zn-Pb-Cu-Ag-Au sulphide ore (rhyodacite)	OREAS 624** <sup>^</sup>	Ag 45.3ppm; Pb 0.624%; Zn 2.40%; Cu 3.10%; Au 1.16ppm	see certificate	10 / 60	\$3.90 / \$11.70
<b>MANGANESE CRMs (pulpes) – Sedimentary</b>					
Manganiferous sedimentary	OREAS 171*	Mn 35.10%	0.17%	10 / 1000	\$3.00 / \$300.00
Manganiferous sedimentary	OREAS 172*	Mn 42.75%	0.21%	10 / 1000	\$3.00 / \$300.00
Manganiferous sedimentary	OREAS 170a*	Mn 45.06%	0.36%	10 / 1000	\$3.00 / \$300.00
Manganiferous sedimentary	OREAS 170b*	Mn 46.06%	0.33%	10 / 1000	\$3.00 / \$300.00
<b>TIN CRMs (pulpes) – Skarn</b>					
Sn laterite ore	OREAS 140*	Sn 1755ppm	122ppm	10 / 500	\$3.00 / \$150.00
Sn laterite ore	OREAS 141*	Sn 6061ppm	339ppm	10 / 500	\$3.00 / \$150.00

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Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>TIN CRMs (pulpes) – Skarn continued</b>					
Sn laterite ore	OREAS 142*	Sn 1.04%	0.05%	10 / 500	\$3.00 / \$150.00
<b>TUNGSTEN CRMs (pulpes) – Skarn</b>					
Skarn tungsten magnetite ore	OREAS 700**	W 1.13% Au 0.506ppm Cu 0.202%	0.025% 0.023ppm 0.007%	10 / 60 500	\$3.45 / \$10.75 \$89.59
High grade skarn tungsten magnetite ore	OREAS 701**	W 2.43% Au 1.11ppm Cu 0.491%	0.035% 0.05ppm 0.012%	10 / 60 500	\$3.45 / \$10.75 \$89.59
<b>MAGNETITE ORE CRMs (pulpes)</b>					
Skarn tungsten magnetite ore (with Au-Cu-W mineralisation)	OREAS 700**	Tot Fe 16.06% FeO 12.07% DTR (MassRec) 11.28% Satmagan Fe <sub>3</sub> O <sub>4</sub> 10.91%	0.175% 0.398% 0.007% 0.196%	10 / 60 1000	\$3.45 / \$10.75 \$179.18
High grade skarn tungsten magnetite ore (with Au-Cu-W mineralisation)	OREAS 701**	Tot Fe 23.98% FeO 17.35% DTR (MassRec) 20.80% Satmagan Fe <sub>3</sub> O <sub>4</sub> 17.95%	0.549% 0.637% 0.482% 0.446%	10 / 60 500	\$3.45 / \$10.75 \$89.59
<b>IRON ORE CRMs (pulpes)</b>					
Hematite ore (BIF-hosted)	OREAS 401*	Fe 45.63% SiO <sub>2</sub> 24.88% P 0.105%	0.257% 0.148% 0.030%	10 / 1000	\$3.00 / \$300.00
Hematite ore (BIF-hosted)	OREAS 402*	Fe 48.41% SiO <sub>2</sub> 19.77% P 0.119%	0.298% 0.170% 0.038%	10 / 1000	\$3.00 / \$300.00
Hematite ore (BIF-hosted)	OREAS 403*	Fe 52.31% SiO <sub>2</sub> 13.67% P 0.123%	0.310% 0.099% 0.032%	10 / 1000	\$3.00 / \$300.00
Hematite ore (BIF-hosted)	OREAS 404*	Fe 55.14% SiO <sub>2</sub> 7.88% P 0.151%	0.208% 0.054% 0.038%	10 / 1000	\$3.00 / \$300.00
Hematite ore (BIF-hosted)	OREAS 405*	Fe 58.02% SiO <sub>2</sub> 8.37% P 0.111%	0.297% 0.062% 0.042%	10 / 1000	\$3.00 / \$300.00
Hematite ore (BIF-hosted)	OREAS 406*	Fe 61.44% SiO <sub>2</sub> 7.96% P 0.085%	0.296% 0.066% 0.020%	10 / 1000	\$3.00 / \$300.00
Hematite ore (supergene)	OREAS 40*	Fe 66.72% SiO <sub>2</sub> 4.64% P 0.004%	0.39% 0.07% 0.002%	10 / 1000	\$3.00 / \$300.00
<b>URANIUM CRMs (pulpes) – Sedimentary and Hydrothermal</b>					
U bearing sandstone	OREAS 120**	U 40.5ppm	7.0ppm	10 / 1000	\$3.72 / \$372.00
U bearing haematitic breccia	OREAS 100a*	U 135ppm	11ppm	10 / 500	\$3.72 / \$186.00
U ore (sandstone hosted)	OREAS 121**	U 215ppm	9.6ppm	10 / 1000	\$3.72 / \$372.00
U ore haematitic breccia	OREAS 101b*	U 396ppm	29ppm	10 / 500	\$3.72 / \$186.00
U ore haematitic breccia	OREAS 101a*	U 422ppm	29ppm	10 / 500	\$3.72 / \$186.00

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Description of material	CRM Code	Metal Concentration	± 1SD	Unit Size (g)	Price per unit (AUD)
<b>URANIUM CRMs (pulp) – Sedimentary and Hydrothermal continued</b>					
U ore (sandstone hosted)	OREAS 122**	U 423ppm	13.0ppm	10 / 1000	\$3.72 / \$372.00
U ore haematitic breccia	OREAS 102a*	U 662ppm	39ppm	10 / 500	\$3.72 / \$186.00
U ore (sandstone hosted)	OREAS 123**	U 858ppm	29.7ppm	10 / 1000	\$3.72 / \$372.00
U ore granitoids & gneisses	OREAS 106*	U 1143ppm; Th 644ppm	34ppm; 30ppm	30	\$8.57
U ore (sandstone hosted)	OREAS 124**	U 1845ppm	40.0ppm	10 / 1000	\$3.72 / \$372.00
<b>REE-Nb ore CRMs (pulp) – Carbonatite (supergene)</b>					
REE-Nb laterite ore	OREAS 460**	Nb 711ppm; La 1347ppm Ce 1813ppm; Nd 791ppm Pr 244ppm; Sm 107ppm Zr 472ppm	see certificate	10 / 1000	\$4.50 / \$330.00
REE-Nb laterite ore	OREAS 461**	Nb 1343ppm; La 2644ppm Ce 3510ppm; Nd 1638ppm Pr 491ppm; Sm 220ppm Zr 613ppm	see certificate	10 / 1000	\$4.50 / \$330.00
REE-Nb laterite ore	OREAS 462**	Nb 1452ppm; La 3798ppm Ce 4951ppm; Nd 2551 Pr 739ppm; Sm 369ppm Zr 598ppm	see certificate	10 / 1000	\$4.50 / \$330.00
REE-Nb laterite ore	OREAS 463**	Nb 1524ppm; La 4967ppm Ce 0.659%; Nd 3706ppm Pr 1004ppm; Sm 538ppm Zr 576ppm	see certificate	10 / 1000	\$4.50 / \$330.00
REE-Nb laterite ore	OREAS 464**	Nb 1917ppm; La 1.17% Ce 1.53%; Nd 0.994% Pr 2578ppm; Sm 1498ppm Zr 462ppm	see certificate	10 / 1000	\$4.50 / \$330.00
REE-Nb laterite ore	OREAS 465**	Nb 4759ppm; La 2.40% Ce 3.98%; Nd 1.18% Pr 3772ppm; Sm 1360ppm Zr 1806ppm	see certificate	10 / 1000	\$4.50 / \$330.00

Limited quantities of discontinued OREAS CRMs may be available including: [OREAS 50c](#), [72a](#), [73a](#), [90](#), [92](#), [95](#), [99](#), [104](#) and [105](#).

Please contact [graham@explorationgeochem.com](mailto:graham@explorationgeochem.com) for more information.

## PRICES

All prices are quoted in Australian Dollars (AUD) and exclude Goods and Services Tax (GST). GST is only applicable to Australian customers.

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