

Responsible Minerals Report

삼성전기의 생산 제품(MLCC, Camera module, PCB 등)에 공급하는 원자재를 거래중인 1차 협력회사의 CMRT(Conflict Minerals Reporting Template), EMRT(Extended Minerals Reporting Template)를 100% 입수하여, 조사 정보 신뢰도 및 인증제련소 사용 검토, Risk 분석을 통해 문제 발생 방지와 개선 활동을 진행하고 있으며, 협력회사 등록 단계에서 Risk가 있으면 거래등록 제한 등의 규제 대응 활동을 진행하고 있습니다.

삼성전기는 이러한 활동 등의 결과 2022년도 100% 인증제련소를 통해 3TG(Tantalum, tin, tungsten, gold) 및 Cobalt, Mica가 공급 되는 것으로 확인 되었으며, 지속적으로 공급망 내 사용 제련소가 Risk 없이 공급될 수 있도록 아래와 같이 적극 노력할 것입니다.

- 모든 제련소는 인증제련소만을 사용하도록 하겠으며 미인증 제련소는 즉시 RMAP(Responsible Minerals Assurance Process) 인증을 유도하여 인증 취득 또는 사용금지 되도록 공급망 내 책임광물 관리를 하겠습니다.
- 공급망 실사 및 교육을 통해 책임광물 규제에 대한 협력회사들의 자발적인 대응이 될 수 있도록 계속해서 노력할 것 입니다.
- 나아가 삼성전기는 비윤리적으로 채굴된 광물뿐만 아니라 인권침해, 환경파괴 등에도 지대한 관심을 가지고 협력회사들까지 책임있는 광물조달을 하도록 최선을 다하겠습니다.

※ 분쟁광물 조사 결과

삼성전기의 생산 제품(MLCC, Camera module, PCB 등)에 공급하는 원자재를 거래중인 1차 협력회사의 CMRT(Conflict Minerals Reporting Template), EMRT(Extended Minerals Reporting Template)를 100% 입수하여, 조사 정보 신뢰도 및 인증제련소 사용 검토, Risk 분석을 통해 문제 발생 방지와 개선 활동을 진행하고 있으며, 협력회사 등록 단계에서 Risk가 있으면 거래등록 제한 등의 규제 대응 활동을 통하여 다음의 결과가 나왔습니다.

1) 공급망 내 광물별 사용 제련소 현황

(2022년 말 기준, 단위: 개소)

| 구분 | 인증제련소 | 인증진행 제련소 | 합계 | 인증 (%) |
|----------|-------|-------------|-----|-----------|
| Tantalum | 36 | - | 36 | 100% |
| Tin | 81 | - | 81 | 100% |
| Tungsten | 50 | - | 50 | 100% |
| Gold | 173 | - | 173 | 100% |
| Cobalt | 59 | - | 59 | 100% |
| Mica | 1 | - | 1 | 100% |
| Total | 400 | - | 400 | 100% |

2) 연도별 사용 제련소 현황

| 구분 | 인증제련소 | 인증진행 제련소 | 합계 | 인증 (%) |
|------|-------|-------------|-----|-----------|
| 2022 | 400 | - | 400 | 100% |
| 2021 | 269 | - | 269 | 100% |
| 2020 | 250 | - | 250 | 100% |
| 2019 | 228 | - | 228 | 100% |
| 2018 | 166 | - | 166 | 100% |

자사 공급망 내 사용된 제련소는 총 400개로, 100% 모두 인증제련소를 사용 한 것으로 확인 되었습니다. (미인증 제련소 불포함)

유첨: 사용 제련소 List (인증 제련소 및 정련소)

| 광물명 | 제련소 명 | 국가 |
|----------|---|--------------------------|
| Tungsten | A.L.M.T. Corp. | JAPAN |
| Tungsten | Kennametal Huntsville | UNITED STATES OF AMERICA |
| Tungsten | Guangdong Xianglu Tungsten Co., Ltd. | CHINA |
| Tungsten | Chongyi Zhangyuan Tungsten Co., Ltd. | CHINA |
| Tungsten | CNMC (Guangxi) PGMA Co., Ltd. | CHINA |
| Tungsten | Global Tungsten & Powders Corp. | UNITED STATES OF AMERICA |
| Tungsten | Hunan Chenzhou Mining Co., Ltd. | CHINA |
| Tungsten | Hunan Chunchang Nonferrous Metals Co., Ltd. | CHINA |
| Tungsten | Japan New Metals Co., Ltd. | JAPAN |
| Tungsten | Ganzhou Huaxing Tungsten Products Co., Ltd. | CHINA |
| Tungsten | Kennametal Fallon | UNITED STATES OF AMERICA |
| Tungsten | Wolfram Bergbau und Hutten AG | AUSTRIA |
| Tungsten | Xiamen Tungsten Co., Ltd. | CHINA |
| Tungsten | Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd. | CHINA |
| Tungsten | Ganzhou Jiangwu Ferrotungsten Co., Ltd. | CHINA |
| Tungsten | Jiangxi Yaosheng Tungsten Co., Ltd. | CHINA |
| Tungsten | Jiangxi Xinsheng Tungsten Industry Co., Ltd. | CHINA |
| Tungsten | Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd. | CHINA |
| Tungsten | Malipo Haiyu Tungsten Co., Ltd. | CHINA |
| Tungsten | Xiamen Tungsten (H.C.) Co., Ltd. | CHINA |
| Tungsten | Jiangxi Gan Bei Tungsten Co., Ltd. | CHINA |
| Tungsten | Ganzhou Seadragon W & Mo Co., Ltd. | CHINA |
| Tungsten | Asia Tungsten Products Vietnam Ltd. | VIET NAM |
| Tungsten | Chenzhou Diamond Tungsten Products Co., Ltd. | CHINA |
| Tungsten | H.C. Starck Tungsten GmbH | GERMANY |
| Tungsten | TANIOBIS Smelting GmbH & Co. KG | GERMANY |
| Tungsten | Masan High-Tech Materials | VIET NAM |
| Tungsten | Jiangwu H.C. Starck Tungsten Products Co., Ltd. | CHINA |
| Tungsten | Niagara Refining LLC | UNITED STATES OF AMERICA |
| Tungsten | China Molybdenum Tungsten Co., Ltd. | CHINA |
| Tungsten | Ganzhou Haichuang Tungsten Co., Ltd. | CHINA |
| Tungsten | Hydrometallurg, JSC | RUSSIAN FEDERATION |
| Tungsten | Unecha Refractory metals plant | RUSSIAN FEDERATION |
| Tungsten | Philippine Chuangxin Industrial Co., Inc. | PHILIPPINES |
| Tungsten | Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd. | CHINA |
| Tungsten | ACL Metais Eireli | BRAZIL |
| Tungsten | Moliren Ltd. | RUSSIAN FEDERATION |

| 광물명 | 제련소 명 | 국가 |
|----------|--|----------------------------------|
| Tungsten | KGETS Co., Ltd. | KOREA, REPUBLIC OF |
| Tungsten | Fujian Ganmin RareMetal Co., Ltd. | CHINA |
| Tungsten | Lianyou Metals Co., Ltd. | TAIWAN, PROVINCE OF CHINA |
| Tungsten | JSC "Kirovgrad Hard Alloys Plant" | RUSSIAN FEDERATION |
| Tungsten | NPP Tyazhmetprom LLC | RUSSIAN FEDERATION |
| Tungsten | Jingmen Dewei GEM Tungsten Resources Recycling Co., Ltd. | CHINA |
| Tungsten | Albasteel Industria e Comercio de Ligas Para Fundicao Ltd. | BRAZIL |
| Tungsten | Cronimet Brasil Ltda | BRAZIL |
| Tungsten | Artek LLC | RUSSIAN FEDERATION |
| Tungsten | Fujian Xinlu Tungsten | CHINA |
| Tungsten | OOO "Technolom" 2 | RUSSIAN FEDERATION |
| Tungsten | OOO "Technolom" 1 | RUSSIAN FEDERATION |
| Tungsten | LLC Vostok | RUSSIAN FEDERATION |
| Tin | Chenzhou Yunxiang Mining and Metallurgy Co., Ltd. | CHINA |
| Tin | Alpha | UNITED STATES OF AMERICA |
| Tin | PT Aries Kencana Sejahtera | INDONESIA |
| Tin | Dowa | JAPAN |
| Tin | EM Vinto | BOLIVIA (PLURINATIONAL STATE OF) |
| Tin | Estanho de Rondonia S.A. | BRAZIL |
| Tin | Fenix Metals | POLAND |
| Tin | Gejiu Non-Ferrous Metal Processing Co., Ltd. | CHINA |
| Tin | Gejiu Zili Mining And Metallurgy Co., Ltd. | CHINA |
| Tin | Gejiu Kai Meng Industry and Trade LLC | CHINA |
| Tin | China Tin Group Co., Ltd. | CHINA |
| Tin | Malaysia Smelting Corporation (MSC) | MALAYSIA |
| Tin | Metallic Resources, Inc. | UNITED STATES OF AMERICA |
| Tin | Mineracao Taboca S.A. | BRAZIL |
| Tin | Minsur | PERU |
| Tin | Mitsubishi Materials Corporation | JAPAN |
| Tin | Jiangxi New Nanshan Technology Ltd. | CHINA |
| Tin | Novosibirsk Processing Plant Ltd. | RUSSIAN FEDERATION |
| Tin | O.M. Manufacturing (Thailand) Co., Ltd. | THAILAND |
| Tin | Operaciones Metalurgicas S.A. | BOLIVIA (PLURINATIONAL STATE OF) |
| Tin | PT Artha Cipta Langgeng | INDONESIA |
| Tin | PT Babel Inti Perkasa | INDONESIA |
| Tin | PT Babel Surya Alam Lestari | INDONESIA |
| Tin | PT Belitung Industri Sejahtera | INDONESIA |
| Tin | PT Bukit Timah | INDONESIA |
| Tin | PT Mitra Stania Prima | INDONESIA |

| 광물명 | 제련소 명 | 국가 |
|-----|---|---------------------------|
| Tin | PT Panca Mega Persada | INDONESIA |
| Tin | PT Prima Timah Utama | INDONESIA |
| Tin | PT Refined Bangka Tin | INDONESIA |
| Tin | PT Sariwiguna Binasentosa | INDONESIA |
| Tin | PT Stanindo Inti Perkasa | INDONESIA |
| Tin | PT Timah Tbk Kundur | INDONESIA |
| Tin | PT Timah Tbk Mentok | INDONESIA |
| Tin | PT Timah Nusantara | INDONESIA |
| Tin | PT Tinindo Inter Nusa | INDONESIA |
| Tin | PT Tommy Utama | INDONESIA |
| Tin | Rui Da Hung | TAIWAN, PROVINCE OF CHINA |
| Tin | Soft Metais Ltda. | BRAZIL |
| Tin | Thaisarco | THAILAND |
| Tin | Gejiu Yunxin Nonferrous Electrolysis Co., Ltd. | CHINA |
| Tin | VQB Mineral and Trading Group JSC | VIET NAM |
| Tin | White Solder Metalurgia e Mineracao Ltda. | BRAZIL |
| Tin | Yunnan Chengfeng Non-ferrous Metals Co., Ltd. | CHINA |
| Tin | Tin Smelting Branch of Yunnan Tin Co., Ltd. | CHINA |
| Tin | CV Venus Inti Perkasa | INDONESIA |
| Tin | Magnu's Minerais Metais e Ligas Ltda. | BRAZIL |
| Tin | PT Tirus Putra Mandiri | INDONESIA |
| Tin | Melt Metais e Ligas S.A. | BRAZIL |
| Tin | PT ATD Makmur Mandiri Jaya | INDONESIA |
| Tin | O.M. Manufacturing Philippines, Inc. | PHILIPPINES |
| Tin | Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company | VIET NAM |
| Tin | Nghe Tinh Non-Ferrous Metals Joint Stock Company | VIET NAM |
| Tin | Tuyen Quang Non-Ferrous Metals Joint Stock Company | VIET NAM |
| Tin | PT Cipta Persada Mulia | INDONESIA |
| Tin | An Vinh Joint Stock Mineral Processing Company | VIET NAM |
| Tin | Resind Industria e Comercio Ltda. | BRAZIL |
| Tin | Super Ligas | BRAZIL |
| Tin | Metallo Belgium N.V. | BELGIUM |
| Tin | Metallo Spain S.L.U. | SPAIN |
| Tin | PT Sukses Inti Makmur | INDONESIA |
| Tin | Thai Nguyen Mining and Metallurgy Co., Ltd. | VIET NAM |
| Tin | PT Menara Cipta Mulia | INDONESIA |
| Tin | HuiChang Hill Tin Industry Co., Ltd. | CHINA |
| Tin | Modeltech Sdn Bhd | MALAYSIA |
| Tin | Guangdong Hanhe Non-Ferrous Metal Co., Ltd. | CHINA |
| Tin | Chifeng Dajingzi Tin Industry Co., Ltd. | CHINA |

| 광물명 | 제련소 명 | 국가 |
|----------|--|--------------------------|
| Tin | PT Bangka Serumpun | INDONESIA |
| Tin | Pongpipat Company Limited | MYANMAR |
| Tin | Tin Technology & Refining | UNITED STATES OF AMERICA |
| Tin | Dongguan CiEXPO Environmental Engineering Co., Ltd. | CHINA |
| Tin | Ma'anshan Weitai Tin Co., Ltd. | CHINA |
| Tin | PT Rajawali Rimba Perkasa | INDONESIA |
| Tin | Luna Smelter, Ltd. | RWANDA |
| Tin | Yunnan Yunfan Non-ferrous Metals Co., Ltd. | CHINA |
| Tin | Precious Minerals and Smelting Limited | INDIA |
| Tin | Gejiu City Fuxiang Industry and Trade Co., Ltd. | CHINA |
| Tin | PT Mitra Sukses Globalindo | INDONESIA |
| Tin | CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda | BRAZIL |
| Tin | CRM Synergies | SPAIN |
| Tin | Fabrica Auricchio Industria e Comercio Ltda. | BRAZIL |
| Tin | PT Putera Sarana Shakti (PT PSS) | INDONESIA |
| Tantalum | Changsha South Tantalum Niobium Co., Ltd. | CHINA |
| Tantalum | Exotech Inc. | UNITED STATES OF AMERICA |
| Tantalum | F&X Electro-Materials Ltd. | CHINA |
| Tantalum | XIMEI RESOURCES (GUANGDONG) LIMITED | CHINA |
| Tantalum | JiuJiang JinXin Nonferrous Metals Co., Ltd. | CHINA |
| Tantalum | Jiujiang Tanbre Co., Ltd. | CHINA |
| Tantalum | AMG Brasil | BRAZIL |
| Tantalum | Metallurgical Products India Pvt., Ltd. | INDIA |
| Tantalum | Mineracao Taboca S.A. | BRAZIL |
| Tantalum | Mitsui Mining & Smelting | JAPAN |
| Tantalum | NPM Silmet AS | ESTONIA |
| Tantalum | Ningxia Orient Tantalum Industry Co., Ltd. | CHINA |
| Tantalum | QuantumClean | UNITED STATES OF AMERICA |
| Tantalum | Yanling Jincheng Tantalum & Niobium Co., Ltd. | CHINA |
| Tantalum | Solikamsk Magnesium Works OAO | RUSSIAN FEDERATION |
| Tantalum | Taki Chemical Co., Ltd. | JAPAN |
| Tantalum | Telex Metals | UNITED STATES OF AMERICA |
| Tantalum | Ulba Metallurgical Plant JSC | KAZAKHSTAN |
| Tantalum | Hengyang King Xing Lifeng New Materials Co., Ltd. | CHINA |
| Tantalum | D Block Metals, LLC | UNITED STATES OF AMERICA |
| Tantalum | FIR Metals & Resource Ltd. | CHINA |
| Tantalum | Jiujiang Zhongao Tantalum & Niobium Co., Ltd. | CHINA |
| Tantalum | XinXing HaoRong Electronic Material Co., Ltd. | CHINA |
| Tantalum | Jiangxi Dinghai Tantalum & Niobium Co., Ltd. | CHINA |

| 광물명 | 제련소 명 | 국가 |
|----------|---|--------------------------|
| Tantalum | KEMET de Mexico | MEXICO |
| Tantalum | TANIOBIS Co., Ltd. | THAILAND |
| Tantalum | TANIOBIS GmbH | GERMANY |
| Tantalum | H.C. Starck Hermsdorf GmbH | GERMANY |
| Tantalum | H.C. Starck Inc. | UNITED STATES OF AMERICA |
| Tantalum | TANIOBIS Japan Co., Ltd. | JAPAN |
| Tantalum | TANIOBIS Smelting GmbH & Co. KG | GERMANY |
| Tantalum | Global Advanced Metals Boyertown | UNITED STATES OF AMERICA |
| Tantalum | Global Advanced Metals Aizu | JAPAN |
| Tantalum | Resind Industria e Comercio Ltda. | BRAZIL |
| Tantalum | Jiangxi Tuohong New Raw Material | CHINA |
| Tantalum | RFH Yancheng Jinye New Material Technology Co., Ltd. | CHINA |
| Gold | Advanced Chemical Company | UNITED STATES OF AMERICA |
| Gold | Aida Chemical Industries Co., Ltd. | JAPAN |
| Gold | Allgemeine Gold-und Silberscheideanstalt A.G. | GERMANY |
| Gold | Almalyk Mining and Metallurgical Complex (AMMC) | UZBEKISTAN |
| Gold | AngloGold Ashanti Corrego do Sitio Mineracao | BRAZIL |
| Gold | Argor-Heraeus S.A. | SWITZERLAND |
| Gold | Asahi Pretec Corp. | JAPAN |
| Gold | Asaka Riken Co., Ltd. | JAPAN |
| Gold | Atasay Kuyumculuk Sanayi Ve Ticaret A.S. | TURKEY |
| Gold | Aurubis AG | GERMANY |
| Gold | Bangko Sentral ng Pilipinas (Central Bank of the Philippines) | PHILIPPINES |
| Gold | Boliden AB | SWEDEN |
| Gold | C. Hafner GmbH + Co. KG | GERMANY |
| Gold | Caridad | MEXICO |
| Gold | CCR Refinery - Glencore Canada Corporation | CANADA |
| Gold | Cendres + Metaux S.A. | SWITZERLAND |
| Gold | Yunnan Copper Industry Co., Ltd. | CHINA |
| Gold | Chimet S.p.A. | ITALY |
| Gold | Chugai Mining | JAPAN |
| Gold | Daye Non-Ferrous Metals Mining Ltd. | CHINA |
| Gold | DSC (Do Sung Corporation) | KOREA, REPUBLIC OF |
| Gold | DODUCO Contacts and Refining GmbH | GERMANY |
| Gold | Dowa | JAPAN |
| Gold | Eco-System Recycling Co., Ltd. East Plant | JAPAN |
| Gold | JSC Novosibirsk Refinery | RUSSIAN FEDERATION |
| Gold | Refinery of Seemine Gold Co., Ltd. | CHINA |
| Gold | Guoda Safina High-Tech Environmental Refinery Co., Ltd. | CHINA |

| 광물명 | 제련소 명 | 국가 |
|------|---|--------------------------|
| Gold | Hangzhou Fuchunjiang Smelting Co., Ltd. | CHINA |
| Gold | LT Metal Ltd. | KOREA, REPUBLIC OF |
| Gold | Heimerle + Meule GmbH | GERMANY |
| Gold | Heraeus Metals Hong Kong Ltd. | CHINA |
| Gold | Heraeus Germany GmbH Co. KG | GERMANY |
| Gold | Hunan Chenzhou Mining Co., Ltd. | CHINA |
| Gold | Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd. | CHINA |
| Gold | HwaSeong CJ CO., LTD. | KOREA, REPUBLIC OF |
| Gold | Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd. | CHINA |
| Gold | Ishifuku Metal Industry Co., Ltd. | JAPAN |
| Gold | Istanbul Gold Refinery | TURKEY |
| Gold | Japan Mint | JAPAN |
| Gold | Jiangxi Copper Co., Ltd. | CHINA |
| Gold | Asahi Refining USA Inc. | UNITED STATES OF AMERICA |
| Gold | Asahi Refining Canada Ltd. | CANADA |
| Gold | JSC Ekaterinburg Non-Ferrous Metal Processing Plant | RUSSIAN FEDERATION |
| Gold | JSC Uralelectromed | RUSSIAN FEDERATION |
| Gold | JX Nippon Mining & Metals Co., Ltd. | JAPAN |
| Gold | Kazakhmys Smelting LLC | KAZAKHSTAN |
| Gold | Kazzinc | KAZAKHSTAN |
| Gold | Kennecott Utah Copper LLC | UNITED STATES OF AMERICA |
| Gold | Kojima Chemicals Co., Ltd. | JAPAN |
| Gold | Kyrgyzaltyn JSC | KYRGYZSTAN |
| Gold | L'azurde Company For Jewelry | SAUDI ARABIA |
| Gold | Lingbao Gold Co., Ltd. | CHINA |
| Gold | Lingbao Jinyuan Tonghui Refinery Co., Ltd. | CHINA |
| Gold | LS-NIKKO Copper Inc. | KOREA, REPUBLIC OF |
| Gold | Luoyang Zijin Yinhui Gold Refinery Co., Ltd. | CHINA |
| Gold | Materion | UNITED STATES OF AMERICA |
| Gold | Matsuda Sangyo Co., Ltd. | JAPAN |
| Gold | Metalor Technologies (Suzhou) Ltd. | CHINA |
| Gold | Metalor Technologies (Hong Kong) Ltd. | CHINA |
| Gold | Metalor Technologies (Singapore) Pte., Ltd. | SINGAPORE |
| Gold | Metalor Technologies S.A. | SWITZERLAND |
| Gold | Metalor USA Refining Corporation | UNITED STATES OF AMERICA |
| Gold | Metalurgica Met-Mex Penoles S.A. De C.V. | MEXICO |
| Gold | Mitsubishi Materials Corporation | JAPAN |
| Gold | Mitsui Mining and Smelting Co., Ltd. | JAPAN |
| Gold | Moscow Special Alloys Processing Plant | RUSSIAN FEDERATION |

| 광물명 | 제련소 명 | 국가 |
|------|---|---------------------------|
| Gold | Nadir Metal Rafineri San. Ve Tic. A.S. | TURKEY |
| Gold | Navoi Mining and Metallurgical Combinat | UZBEKISTAN |
| Gold | Nihon Material Co., Ltd. | JAPAN |
| Gold | Ohura Precious Metal Industry Co., Ltd. | JAPAN |
| Gold | OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet) | RUSSIAN FEDERATION |
| Gold | PAMP S.A. | SWITZERLAND |
| Gold | Penglai Penggang Gold Industry Co., Ltd. | CHINA |
| Gold | Prioksky Plant of Non-Ferrous Metals | RUSSIAN FEDERATION |
| Gold | PT Aneka Tambang (Persero) Tbk | INDONESIA |
| Gold | PX Precinox S.A. | SWITZERLAND |
| Gold | Rand Refinery (Pty) Ltd. | SOUTH AFRICA |
| Gold | Royal Canadian Mint | CANADA |
| Gold | Sabin Metal Corp. | UNITED STATES OF AMERICA |
| Gold | Samduck Precious Metals | KOREA, REPUBLIC OF |
| Gold | Samwon Metals Corp. | KOREA, REPUBLIC OF |
| Gold | SEMPA Joyeria Plateria S.A. | SPAIN |
| Gold | Shandong Tiancheng Biological Gold Industrial Co., Ltd. | CHINA |
| Gold | Shandong Zhaojin Gold & Silver Refinery Co., Ltd. | CHINA |
| Gold | Sichuan Tianze Precious Metals Co., Ltd. | CHINA |
| Gold | SOE Shyolkovsky Factory of Secondary Precious Metals | RUSSIAN FEDERATION |
| Gold | Solar Applied Materials Technology Corp. | TAIWAN, PROVINCE OF CHINA |
| Gold | Sumitomo Metal Mining Co., Ltd. | JAPAN |
| Gold | Super Dragon Technology Co., Ltd. | TAIWAN, PROVINCE OF CHINA |
| Gold | Tanaka Kikinzoku Kogyo K.K. | JAPAN |
| Gold | Great Wall Precious Metals Co., Ltd. of CBPM | CHINA |
| Gold | Shandong Gold Smelting Co., Ltd. | CHINA |
| Gold | Tokuriki Honten Co., Ltd. | JAPAN |
| Gold | Tongling Nonferrous Metals Group Co., Ltd. | CHINA |
| Gold | Torecom | KOREA, REPUBLIC OF |
| Gold | Umicore S.A. Business Unit Precious Metals Refining | BELGIUM |
| Gold | United Precious Metal Refining, Inc. | UNITED STATES OF AMERICA |
| Gold | Valcambi S.A. | SWITZERLAND |
| Gold | Western Australian Mint (T/a The Perth Mint) | AUSTRALIA |
| Gold | Yamakin Co., Ltd. | JAPAN |
| Gold | Yokohama Metal Co., Ltd. | JAPAN |
| Gold | Zhongyuan Gold Smelter of Zhongjin Gold Corporation | CHINA |
| Gold | Gold Refinery of Zijin Mining Group Co., Ltd. | CHINA |
| Gold | Morris and Watson | NEW ZEALAND |
| Gold | SAFINA A.S. | CZECHIA |

| 광물명 | 제련소 명 | 국가 |
|------|---|---------------------------|
| Gold | Guangdong Jinding Gold Limited | CHINA |
| Gold | Umicore Precious Metals Thailand | THAILAND |
| Gold | Geib Refining Corporation | UNITED STATES OF AMERICA |
| Gold | MMTC-PAMP India Pvt., Ltd. | INDIA |
| Gold | KGHM Polska Miedz Spolka Akcyjna | POLAND |
| Gold | Fidelity Printers and Refiners Ltd. | ZIMBABWE |
| Gold | Singway Technology Co., Ltd. | TAIWAN, PROVINCE OF CHINA |
| Gold | Shandong Humon Smelting Co., Ltd. | CHINA |
| Gold | Shenzhen Zhonghenglong Real Industry Co., Ltd. | CHINA |
| Gold | Al Etihad Gold Refinery DMCC | UNITED ARAB EMIRATES |
| Gold | Emirates Gold DMCC | UNITED ARAB EMIRATES |
| Gold | International Precious Metal Refiners | UNITED ARAB EMIRATES |
| Gold | Kaloti Precious Metals | UNITED ARAB EMIRATES |
| Gold | Sudan Gold Refinery | SUDAN |
| Gold | T.C.A S.p.A | ITALY |
| Gold | REMONDIS PMR B.V. | NETHERLANDS |
| Gold | Fujairah Gold FZC | UNITED ARAB EMIRATES |
| Gold | Industrial Refining Company | BELGIUM |
| Gold | Shirpur Gold Refinery Ltd. | INDIA |
| Gold | Korea Zinc Co., Ltd. | KOREA, REPUBLIC OF |
| Gold | Marsam Metals | BRAZIL |
| Gold | TOO Tau-Ken-Altyn | KAZAKHSTAN |
| Gold | Abington Reldan Metals, LLC | UNITED STATES OF AMERICA |
| Gold | SAAMP | FRANCE |
| Gold | L'Orfebre S.A. | ANDORRA |
| Gold | 8853 S.p.A. | ITALY |
| Gold | Italpreziosi | ITALY |
| Gold | SAXONIA Edelmetalle GmbH | GERMANY |
| Gold | WIELAND Edelmetalle GmbH | GERMANY |
| Gold | Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH | AUSTRIA |
| Gold | AU Traders and Refiners | SOUTH AFRICA |
| Gold | GGC Gujrat Gold Centre Pvt. Ltd. | INDIA |
| Gold | Sai Refinery | INDIA |
| Gold | Modeltech Sdn Bhd | MALAYSIA |
| Gold | Bangalore Refinery | INDIA |
| Gold | Kyshtym Copper-Electrolytic Plant ZAO | RUSSIAN FEDERATION |
| Gold | Degussa Sonne / Mond Goldhandel GmbH | GERMANY |
| Gold | Pease & Curren | UNITED STATES OF AMERICA |
| Gold | JALAN & Company | INDIA |
| Gold | SungEel HiMetal Co., Ltd. | KOREA, REPUBLIC OF |

| 광물명 | 제련소 명 | 국가 |
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| Gold | Planta Recuperadora de Metales SpA | CHILE |
| Gold | Safimet S.p.A | ITALY |
| Gold | State Research Institute Center for Physical Sciences and Technology | LITHUANIA |
| Gold | African Gold Refinery | UGANDA |
| Gold | Gold Coast Refinery | GHANA |
| Gold | NH Recytech Company | KOREA, REPUBLIC OF |
| Gold | QG Refining, LLC | UNITED STATES OF AMERICA |
| Gold | Dijllah Gold Refinery FZC | UNITED ARAB EMIRATES |
| Gold | CGR Metalloys Pvt Ltd. | INDIA |
| Gold | Sovereign Metals | INDIA |
| Gold | C.I Metales Procesados Industriales SAS | COLOMBIA |
| Gold | Eco-System Recycling Co., Ltd. North Plant | JAPAN |
| Gold | Eco-System Recycling Co., Ltd. West Plant | JAPAN |
| Gold | Augmont Enterprises Private Limited | INDIA |
| Gold | Kundan Care Products Ltd. | INDIA |
| Gold | Emerald Jewel Industry India Limited (Unit 1) | INDIA |
| Gold | Emerald Jewel Industry India Limited (Unit 2) | INDIA |
| Gold | Emerald Jewel Industry India Limited (Unit 3) | INDIA |
| Gold | Emerald Jewel Industry India Limited (Unit 4) | INDIA |
| Gold | K.A. Rasmussen | NORWAY |
| Gold | Alexy Metals | UNITED STATES OF AMERICA |
| Gold | Sancus ZFS (L'Orfebre, SA) | COLOMBIA |
| Gold | Sellem Industries Ltd. | MAURITANIA |
| Gold | MD Overseas | INDIA |
| Gold | Metallix Refining Inc. | UNITED STATES OF AMERICA |
| Gold | Metal Concentrators SA (Pty) Ltd. | SOUTH AFRICA |
| Gold | WEEEREFINING | FRANCE |
| Gold | Value Trading | BELGIUM |
| Cobalt | Gem (Jiangsu) Cobalt Industry Co., Ltd. | CHINA |
| Cobalt | Lanzhou Jinchuan Advanced Materials Technology Co., Ltd. | CHINA |
| Cobalt | Zhuhai Kelixin Metal Materials Co., Ltd. | CHINA |
| Cobalt | Ganzhou Tengyuan Cobalt New Material Co., Ltd. | CHINA |
| Cobalt | Guangxi Yinyi Advanced Material Co., Ltd. | CHINA |
| Cobalt | Tianjin Maolian Science & Technology Co., Ltd. | CHINA |
| Cobalt | Hunan Brunp Recycling Technology Co., Ltd. | CHINA |
| Cobalt | Nantong Xinwei Nickel Cobalt Technology Development Co., Ltd. | CHINA |
| Cobalt | Zhejiang Huayou Cobalt Company Limited | CHINA |
| Cobalt | Umicore Finland Oy | FINLAND |
| Cobalt | Gangzhou Yi Hao Umicore Industry Co. | CHINA |

| 광물명 | 제련소 명 | 국가 |
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| Cobalt | Umicore Olen | BELGIUM |
| Cobalt | Dynatec Madagascar Company | MADAGASCAR |
| Cobalt | JSC Kolskaya Mining and Metallurgical Company (Kola MMC) | RUSSIAN FEDERATION |
| Cobalt | Port Colborne Refinery | CANADA |
| Cobalt | Nanjing Hanrui Cobalt | CHINA |
| Cobalt | Quzhou Huayou Cobalt New Material Co., Ltd. | CHINA |
| Cobalt | Kamoto Copper Company | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | Chemaf Etoile | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | Societe pour le Traitement du Terril de Lubumbashi (STL) | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | La Compagnie de Traitement des Rejets de Kingamyambo S.A. | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | Sumitomo Metal Mining | JAPAN |
| Cobalt | Mine de Bou-Azzer | MOROCCO |
| Cobalt | Compagnie de Tifnout Tiranimine | MOROCCO |
| Cobalt | Guangdong Jiana Energy Technology Co., Ltd. | CHINA |
| Cobalt | Jiangsu Xiongfeng Technology Co., Ltd. | CHINA |
| Cobalt | SungEel HiTech Co., Ltd. | KOREA, REPUBLIC OF |
| Cobalt | XTC New Energy Materials (Xiamen) LTD. | CHINA |
| Cobalt | Jiangxi Jiangwu Cobalt industrial Co., Ltd. | CHINA |
| Cobalt | Jingmen GEM Co., Ltd. | CHINA |
| Cobalt | Ganzhou Highpower Technology Co., Ltd. | CHINA |
| Cobalt | NORILSK NICKEL HARJAVALTA OY | FINLAND |
| Cobalt | New Era Group Zhejiang Zhongneng Cycle Technology Co., Ltd. | CHINA |
| Cobalt | Glencore Nikkelverk Refinery | NORWAY |
| Cobalt | Hunan Yacheng New Materials Co., Ltd. | CHINA |
| Cobalt | Murrin Murrin Nickel Cobalt Plant | AUSTRALIA |
| Cobalt | Hunan CNGR New Energy Science & Technology Co., Ltd. | CHINA |
| Cobalt | Cosmo Chemical, Ltd. | KOREA, REPUBLIC OF |
| Cobalt | Ningbo Yanmen Chemical Co., Ltd. | CHINA |
| Cobalt | SOCIETE MINIERE DU KATANGA (SOMIKA SARL) | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | Tenke Fungurume Mining SA | CONGO, DEMOCRATIC REPUBLIC OF THE |
| Cobalt | Jiangxi Rui da Xinnengyuan Technology Co., Ltd. | CHINA |
| Cobalt | Ningbo Hubang New Material Co., Ltd. | CHINA |
| Cobalt | Xiangtan Huacheng Nickel Cobalt New Material Co., Ltd. | CHINA |
| Cobalt | Fairsky Industrial Co., Limited | CHINA |
| Cobalt | Hunan Jinxin New Material Holding Co., Ltd. | CHINA |
| Cobalt | CoreMax Corporation | TAIWAN, PROVINCE OF CHINA |
| Cobalt | Chizhou CN New Materials and Technology Co., Ltd. | CHINA |
| Cobalt | ICoNiChem | UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND |
| Cobalt | Zhejiang Greatpower Cobalt Materials Co., Ltd. | CHINA |
| Cobalt | Mechema Taiwan Plant 1 | TAIWAN, PROVINCE OF CHINA |

| 광물명 | 제련소 명 | 국가 |
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| Cobalt | Mechema Taiwan Plant 2 | TAIWAN, PROVINCE OF CHINA |
| Cobalt | Mechema Korea, Co., Ltd. | KOREA, REPUBLIC OF |
| Cobalt | Mechema Chemicals shang-yu | CHINA |
| Cobalt | Mechema Chemicals (Thailand) Co., Ltd. | THAILAND |
| Cobalt | PT Mechema Indonesia | INDONESIA |
| Cobalt | Harima Refinery, Sumitomo Metal Mining | JAPAN |
| Cobalt | Guizhou CNGR Resource Recycling Industry Development Co., Ltd. | CHINA |
| Cobalt | Anhui Hanrui New Materials Co., Ltd. | CHINA |
| Mica | Imerys Mica Kings Mountain, Inc. | UNITED STATES OF AMERICA |