

Smelter and Refiner List for 3TG & Cobalt identified in Survey for FY2022 (as of June 10, 2022)

Metal	Smelter ID	Smelter or Refiner Name	Country	
Gold	CID000015	Advanced Chemical Company	UNITED STATES OF AMERICA	Conformant
Gold	CID000019	Aida Chemical Industries Co., Ltd.	JAPAN	Conformant
Gold	CID000035	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY	Conformant
Gold	CID000041	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN	Conformant
Gold	CID000058	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL	Conformant
Gold	CID000077	Argor-Heraeus S.A.	SWITZERLAND	Conformant
Gold	CID000082	Asahi Pretec Corp.	JAPAN	Conformant
Gold	CID000090	Asaka Riken Co., Ltd.	JAPAN	Conformant
Gold	CID000103	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY	
Gold	CID000113	Aurubis AG	GERMANY	Conformant
Gold	CID000128	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES	Conformant
Gold	CID000157	Boliden AB	SWEDEN	Conformant
Gold	CID000176	C. Hafner GmbH + Co. KG	GERMANY	Conformant
Gold	CID000180	Caridad	MEXICO	
Gold	CID000185	CCR Refinery - Glencore Canada Corporation	CANADA	Conformant
Gold	CID000189	Cendres + Metaux S.A.	SWITZERLAND	Conformant
Gold	CID000197	Yunnan Copper Industry Co., Ltd.	CHINA	
Gold	CID000233	Chimet S.p.A.	ITALY	Conformant
Gold	CID000264	Chugai Mining	JAPAN	Conformant
Gold	CID000343	Daye Non-Ferrous Metals Mining Ltd.	CHINA	
Gold	CID000359	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF	Conformant
Gold	CID000362	DODUCO Contacts and Refining GmbH	GERMANY	Conformant
Gold	CID000401	Dowa	JAPAN	Conformant
Gold	CID000425	Eco-System Recycling Co., Ltd. East Plant	JAPAN	Conformant
Gold	CID000493	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION	
Gold	CID000522	Refinery of Seemine Gold Co., Ltd.	CHINA	
Gold	CID000651	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA	
Gold	CID000671	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA	
Gold	CID000689	LT Metal Ltd.	KOREA, REPUBLIC OF	Conformant
Gold	CID000694	Heimerle + Meule GmbH	GERMANY	Conformant
Gold	CID000707	Heraeus Metals Hong Kong Ltd.	CHINA	Conformant
Gold	CID000711	Heraeus Precious Metals GmbH & Co. KG	GERMANY	Conformant
Gold	CID000767	Hunan Chenzhou Mining Co., Ltd.	CHINA	
Gold	CID000773	Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.	CHINA	
Gold	CID000778	HwaSeong CJ CO., LTD.	KOREA, REPUBLIC OF	
Gold	CID000801	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA	Conformant
Gold	CID000807	Ishifuku Metal Industry Co., Ltd.	JAPAN	Conformant
Gold	CID000814	Istanbul Gold Refinery	TURKEY	Conformant
Gold	CID000823	Japan Mint	JAPAN	Conformant
Gold	CID000855	Jiangxi Copper Co., Ltd.	CHINA	Conformant
Gold	CID000920	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	Conformant
Gold	CID000924	Asahi Refining Canada Ltd.	CANADA	Conformant
Gold	CID000927	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION	
Gold	CID000929	JSC Uralelectromed	RUSSIAN FEDERATION	
Gold	CID000937	JX Nippon Mining & Metals Co., Ltd.	JAPAN	Conformant
Gold	CID000956	Kazakhmys Smelting LLC	KAZAKHSTAN	
Gold	CID000957	Kazzinc	KAZAKHSTAN	Conformant
Gold	CID000969	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA	Conformant
Gold	CID000981	Kojima Chemicals Co., Ltd.	JAPAN	Conformant
Gold	CID001029	Kyrgyzaltyn JSC	KYRGYZSTAN	
Gold	CID001032	L'azurde Company For Jewelry	SAUDI ARABIA	
Gold	CID001056	Lingbao Gold Co., Ltd.	CHINA	
Gold	CID001058	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA	
Gold	CID001078	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF	Conformant
Gold	CID001093	Luoyang Zijin Yinhui Gold Refinery Co., Ltd.	CHINA	
Gold	CID001113	Materion	UNITED STATES OF AMERICA	Conformant
Gold	CID001119	Matsuda Sangyo Co., Ltd.	JAPAN	Conformant
Gold	CID001147	Metalor Technologies (Suzhou) Ltd.	CHINA	Conformant
Gold	CID001149	Metalor Technologies (Hong Kong) Ltd.	CHINA	Conformant
Gold	CID001152	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE	Conformant
Gold	CID001153	Metalor Technologies S.A.	SWITZERLAND	Conformant
Gold	CID001157	Metalor USA Refining Corporation	UNITED STATES OF AMERICA	Conformant
Gold	CID001161	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO	Conformant
Gold	CID001188	Mitsubishi Materials Corporation	JAPAN	Conformant
Gold	CID001193	Mitsui Mining and Smelting Co., Ltd.	JAPAN	Conformant
Gold	CID001204	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION	
Gold	CID001220	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY	Conformant
Gold	CID001236	Navoi Mining and Metallurgical Combinat	UZBEKISTAN	Conformant

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Metal	Smelter ID	Smelter or Refiner Name	Country	
Gold	CID001259	Nihon Material Co., Ltd.	JAPAN	Conformant
Gold	CID001325	Ohura Precious Metal Industry Co., Ltd.	JAPAN	Conformant
Gold	CID001326	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION	
Gold	CID001352	PAMP S.A.	SWITZERLAND	Conformant
Gold	CID001362	Penglai Penggang Gold Industry Co., Ltd.	CHINA	
Gold	CID001386	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION	
Gold	CID001397	PT Aneka Tambang (Persero) Tbk	INDONESIA	Conformant
Gold	CID001498	PX Precinox S.A.	SWITZERLAND	Conformant
Gold	CID001512	Rand Refinery (Pty) Ltd.	SOUTH AFRICA	Conformant
Gold	CID001534	Royal Canadian Mint	CANADA	Conformant
Gold	CID001546	Sabin Metal Corp.	UNITED STATES OF AMERICA	
Gold	CID001555	Samduck Precious Metals	KOREA, REPUBLIC OF	Conformant
Gold	CID001562	Samwon Metals Corp.	KOREA, REPUBLIC OF	
Gold	CID001585	SEMPA Joyeria Plateria S.A.	SPAIN	Conformant
Gold	CID001619	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA	
Gold	CID001622	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	Conformant
Gold	CID001736	Sichuan Tianze Precious Metals Co., Ltd.	CHINA	Conformant
Gold	CID001756	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION	
Gold	CID001761	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	Conformant
Gold	CID001798	Sumitomo Metal Mining Co., Ltd.	JAPAN	Conformant
Gold	CID001810	Super Dragon Technology Co.,Ltd.	TAIWAN, PROVINCE OF CHINA	
Gold	CID001875	Tanaka Kikinzoku Kogyo K.K.	JAPAN	Conformant
Gold	CID001909	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA	
Gold	CID001916	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	Conformant
Gold	CID001938	Tokuriki Honten Co., Ltd.	JAPAN	Conformant
Gold	CID001947	Tongling Nonferrous Metals Group Co., Ltd.	CHINA	
Gold	CID001955	Torecom	KOREA, REPUBLIC OF	Conformant
Gold	CID001977	Umicore Brasil Ltda.	BRAZIL	
Gold	CID001980	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM	Conformant
Gold	CID001993	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA	Conformant
Gold	CID002003	Valcambi S.A.	SWITZERLAND	Conformant
Gold	CID002030	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA	Conformant
Gold	CID002082	Nihon Material Co., Ltd.	JAPAN	
Gold	CID002100	Yamakin Co., Ltd.	JAPAN	Conformant
Gold	CID002129	Yokohama Metal Co., Ltd.	JAPAN	Conformant
Gold	CID002224	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	Conformant
Gold	CID002243	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA	Conformant
Gold	CID002282	Morris and Watson	NEW ZEALAND	
Gold	CID002290	SAFINA A.S.	CZECHIA	Conformant
Gold	CID002312	Guangdong Jinding Gold Limited	CHINA	
Gold	CID002314	Umicore Precious Metals Thailand	THAILAND	Conformant
Gold	CID002459	Geib Refining Corporation	UNITED STATES OF AMERICA	Conformant
Gold	CID002509	MMTC-PAMP India Pvt., Ltd.	INDIA	Conformant
Gold	CID002511	KGHM Polska Miedz Spolka Akcyjna	POLAND	Conformant
Gold	CID002513	Asaka Riken Co., Ltd.	JAPAN	
Gold	CID002515	Fidelity Printers and Refiners Ltd.	ZIMBABWE	
Gold	CID002516	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA	Conformant
Gold	CID002525	Shandong Humon Smelting Co., Ltd.	CHINA	
Gold	CID002527	Shenzhen Zhonghenglong Real Industry Co., Ltd.	CHINA	
Gold	CID002560	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES	Conformant
Gold	CID002561	Emirates Gold DMCC	UNITED ARAB EMIRATES	Conformant
Gold	CID002562	International Precious Metal Refiners	UNITED ARAB EMIRATES	
Gold	CID002563	Kaloti Precious Metals	UNITED ARAB EMIRATES	
Gold	CID002567	Sudan Gold Refinery	SUDAN	
Gold	CID002580	T.C.A S.p.A	ITALY	Conformant
Gold	CID002582	REMONDIS PMR B.V.	NETHERLANDS	Conformant
Gold	CID002584	Fujairah Gold FZC	UNITED ARAB EMIRATES	
Gold	CID002587	Tony Goetz NV	BELGIUM	
Gold	CID002588	Shirpur Gold Refinery Ltd.	INDIA	
Gold	CID002605	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF	Conformant
Gold	CID002606	Marsam Metals	BRAZIL	Conformant
Gold	CID002615	TOO Tau-Ken-Altyn	KAZAKHSTAN	Conformant
Gold	CID002708	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA	
Gold	CID002761	SAAMP	FRANCE	Conformant
Gold	CID002762	L'Orfebvre S.A.	ANDORRA	Conformant
Gold	CID002763	8853 S.p.A.	ITALY	Conformant
Gold	CID002765	Italpreziosi	ITALY	Conformant
Gold	CID002777	SAXONIA Edelmetalle GmbH	GERMANY	

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Gold	CID002778	WIELAND Edelmetalle GmbH	GERMANY	Conformant
Gold	CID002779	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA	Conformant
Gold	CID002850	AU Traders and Refiners	SOUTH AFRICA	
Gold	CID002852	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA	
Gold	CID002853	Sai Refinery	INDIA	
Gold	CID002857	Modeltech Sdn Bhd	MALAYSIA	
Gold	CID002863	Bangalore Refinery	INDIA	Conformant
Gold	CID002865	Kyshtym Copper-Electrolytic Plant ZAO	RUSSIAN FEDERATION	
Gold	CID002867	Degussa Sonne / Mond Goldhandel GmbH	GERMANY	
Gold	CID002872	Pease & Curren	UNITED STATES OF AMERICA	
Gold	CID002893	JALAN & Company	INDIA	
Gold	CID002918	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF	Conformant
Gold	CID002919	Planta Recuperadora de Metales SpA	CHILE	Conformant
Gold	CID002973	Safimet S.p.A	ITALY	Conformant
Gold	CID003153	State Research Institute Center for Physical Sciences and Technology	LITHUANIA	
Gold	CID003185	African Gold Refinery	UGANDA	
Gold	CID003189	NH Recytech Company	KOREA, REPUBLIC OF	Conformant
Gold	CID003195	DS PRETECH Co., Ltd.	KOREA, REPUBLIC OF	
Gold	CID003324	QG Refining, LLC	UNITED STATES OF AMERICA	
Gold	CID003348	Dijllah Gold Refinery FZC	UNITED ARAB EMIRATES	
Gold	CID003382	CGR Metalloys Pvt Ltd.	INDIA	
Gold	CID003383	Sovereign Metals	INDIA	
Gold	CID003421	C.I Metales Procesados Industriales SAS	COLOMBIA	
Gold	CID003424	Eco-System Recycling Co., Ltd. North Plant	JAPAN	Conformant
Gold	CID003425	Eco-System Recycling Co., Ltd. West Plant	JAPAN	Conformant
Gold	CID003463	Kundan Care Products Ltd.	INDIA	
Gold	CID003487	Emerald Jewel Industry India Limited (Unit 1)	INDIA	
Gold	CID003488	Emerald Jewel Industry India Limited (Unit 2)	INDIA	
Gold	CID003489	Emerald Jewel Industry India Limited (Unit 3)	INDIA	
Gold	CID003490	Emerald Jewel Industry India Limited (Unit 4)	INDIA	
Gold	CID003497	K.A. Rasmussen	NORWAY	
Gold	CID003500	Alexy Metals	UNITED STATES OF AMERICA	
Gold	CID003529	Sancus ZFS (L'Orfebre, SA)	COLOMBIA	
Gold	CID003540	Sellem Industries Ltd.	MAURITANIA	
Gold	CID003548	MD Overseas	INDIA	
Gold	CID003557	Metallix Refining Inc.	UNITED STATES OF AMERICA	
Gold	CID003575	Metal Concentrators SA (Pty) Ltd.	SOUTH AFRICA	Conformant
Tantalum	CID000092	Asaka Riken Co., Ltd.	JAPAN	Conformant
Tantalum	CID000211	Changsha South Tantalum Niobium Co., Ltd.	CHINA	Conformant
Tantalum	CID000291	Guangdong Rising Rare Metals-EO Materials Ltd.	CHINA	Conformant
Tantalum	CID000456	Exotech Inc.	UNITED STATES OF AMERICA	
Tantalum	CID000460	F&X Electro-Materials Ltd.	CHINA	Conformant
Tantalum	CID000616	Guangdong Zhiyuan New Material Co., Ltd.	CHINA	Conformant
Tantalum	CID000914	Jiujiang JinXin Nonferrous Metals Co., Ltd.	CHINA	Conformant
Tantalum	CID000917	Jiujiang Tanbre Co., Ltd.	CHINA	Conformant
Tantalum	CID001076	LSM Brasil S.A.	BRAZIL	Conformant
Tantalum	CID001163	Metallurgical Products India Pvt., Ltd.	INDIA	Conformant
Tantalum	CID001175	Mineracao Taboca S.A.	BRAZIL	Conformant
Tantalum	CID001192	Mitsui Mining and Smelting Co., Ltd.	JAPAN	Conformant
Tantalum	CID001200	NPM Silmet AS	ESTONIA	Conformant
Tantalum	CID001277	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA	Conformant
Tantalum	CID001434	PT DS Jaya Abadi	INDONESIA	
Tantalum	CID001508	QuantumClean	UNITED STATES OF AMERICA	Conformant
Tantalum	CID001522	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA	Conformant
Tantalum	CID001769	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION	Conformant
Tantalum	CID001869	Taki Chemical Co., Ltd.	JAPAN	Conformant
Tantalum	CID001891	Telex Metals	UNITED STATES OF AMERICA	Conformant
Tantalum	CID001969	Ulba Metallurgical Plant JSC	KAZAKHSTAN	Conformant
Tantalum	CID002492	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA	Conformant
Tantalum	CID002504	D Block Metals, LLC	UNITED STATES OF AMERICA	Conformant
Tantalum	CID002505	FIR Metals & Resource Ltd.	CHINA	Conformant
Tantalum	CID002506	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA	Conformant
Tantalum	CID002508	XinXing HaoRong Electronic Material Co., Ltd.	CHINA	Conformant
Tantalum	CID002512	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA	Conformant
Tantalum	CID002539	KEMET Blue Metals	MEXICO	Conformant
Tantalum	CID002544	H.C. Starck Co., Ltd.	THAILAND	Conformant
Tantalum	CID002545	H.C. Starck Tantalum and Niobium GmbH	GERMANY	Conformant
Tantalum	CID002547	H.C. Starck Hermsdorf GmbH	GERMANY	Conformant

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Metal	Smelter ID	Smelter or Refiner Name	Country	
Tantalum	CID002548	H.C. Starck Inc.	UNITED STATES OF AMERICA	Conformant
Tantalum	CID002549	H.C. Starck Ltd.	JAPAN	Conformant
Tantalum	CID002550	H.C. Starck Smelting GmbH & Co. KG	GERMANY	Conformant
Tantalum	CID002557	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA	Conformant
Tantalum	CID002558	Global Advanced Metals Aizu	JAPAN	Conformant
Tantalum	CID002568	KEMET Blue Powder	UNITED STATES OF AMERICA	
Tantalum	CID002707	Resind Industria e Comercio Ltda.	BRAZIL	Conformant
Tantalum	CID002842	Jiangxi Tuohong New Raw Material	CHINA	Conformant
Tantalum	CID002847	PRG Doel	NORTH MACEDONIA	Conformant
Tantalum	CID003191	Jiujiang Janny New Material Co., Ltd.	CHINA	
Tantalum	CID003402	CP Metals Inc.	UNITED STATES OF AMERICA	
Tantalum	CID003583	Yancheng Jinye New Material Technology Co., Ltd.	CHINA	Conformant
Tin	CID000228	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA	Conformant
Tin	CID000244	Jiangxi Ketai Advanced Material Co., Ltd.	CHINA	
Tin	CID000292	Alpha	UNITED STATES OF AMERICA	Conformant
Tin	CID000306	CV Gita Pesona	INDONESIA	
Tin	CID000309	PT Aries Kencana Sejahtera	INDONESIA	
Tin	CID000313	PT Premium Tin Indonesia	INDONESIA	
Tin	CID000315	CV United Smelting	INDONESIA	
Tin	CID000402	Dowa	JAPAN	Conformant
Tin	CID000438	EM Vinto	BOLIVIA (PLURINATIONAL STATE OF)	Conformant
Tin	CID000448	Estanho de Rondonia S.A.	BRAZIL	Conformant
Tin	CID000468	Fenix Metals	POLAND	Conformant
Tin	CID000538	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA	Conformant
Tin	CID000555	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA	Conformant
Tin	CID000720	Hezhou Jinwei Tin Co., Ltd.	CHINA	
Tin	CID000760	Huichang Jinshunda Tin Co., Ltd.	CHINA	
Tin	CID000942	Gejiu Kai Meng Industry and Trade LLC	CHINA	
Tin	CID001070	China Tin Group Co., Ltd.	CHINA	Conformant
Tin	CID001105	Malaysia Smelting Corporation (MSC)	MALAYSIA	Conformant
Tin	CID001142	Metallic Resources, Inc.	UNITED STATES OF AMERICA	Conformant
Tin	CID001173	Mineracao Taboca S.A.	BRAZIL	Conformant
Tin	CID001182	Minsur	PERU	Conformant
Tin	CID001191	Mitsubishi Materials Corporation	JAPAN	Conformant
Tin	CID001231	Jiangxi New Nanshan Technology Ltd.	CHINA	Conformant
Tin	CID001305	Novosibirsk Processing Plant Ltd.	RUSSIAN FEDERATION	Conformant
Tin	CID001314	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND	Conformant
Tin	CID001337	Operaciones Metalurgicas S.A.	BOLIVIA (PLURINATIONAL STATE OF)	Conformant
Tin	CID001399	PT Artha Cipta Langgeng	INDONESIA	Conformant
Tin	CID001402	PT Babel Inti Perkasa	INDONESIA	Conformant
Tin	CID001406	PT Babel Surya Alam Lestari	INDONESIA	Conformant
Tin	CID001428	PT Bukit Timah	INDONESIA	Conformant
Tin	CID001453	PT Mitra Stania Prima	INDONESIA	Conformant
Tin	CID001458	PT Prima Timah Utama	INDONESIA	Conformant
Tin	CID001460	PT Refined Bangka Tin	INDONESIA	Conformant
Tin	CID001463	PT Sariwiguna Binasentosa	INDONESIA	Conformant
Tin	CID001468	PT Stanindo Inti Perkasa	INDONESIA	Conformant
Tin	CID001477	PT Timah Tbk Kundur	INDONESIA	Conformant
Tin	CID001482	PT Timah Tbk Mentok	INDONESIA	Conformant
Tin	CID001490	PT Tinindo Inter Nusa	INDONESIA	Conformant
Tin	CID001539	Rui Da Hung	TAIWAN, PROVINCE OF CHINA	Conformant
Tin	CID001758	Soft Metais Ltda.	BRAZIL	Conformant
Tin	CID001898	Thaisarco	THAILAND	Conformant
Tin	CID001908	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	Conformant
Tin	CID002036	White Solder Metalurgia e Mineracao Ltda.	BRAZIL	Conformant
Tin	CID002158	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	Conformant
Tin	CID002180	Yunnan Tin Company Limited	CHINA	Conformant
Tin	CID002455	CV Venus Inti Perkasa	INDONESIA	
Tin	CID002468	Magnu's Minerais Metais e Ligas Ltda.	BRAZIL	Conformant
Tin	CID002500	Melt Metais e Ligas S.A.	BRAZIL	
Tin	CID002503	PT ATD Makmur Mandiri Jaya	INDONESIA	Conformant
Tin	CID002517	O.M. Manufacturing Philippines, Inc.	PHILIPPINES	Conformant
Tin	CID002570	CV Ayi Jaya	INDONESIA	
Tin	CID002572	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIET NAM	
Tin	CID002573	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIET NAM	
Tin	CID002574	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIET NAM	
Tin	CID002593	PT Rajehan Ariq	INDONESIA	Conformant
Tin	CID002696	PT Cipta Persada Mulia	INDONESIA	Conformant

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Tin	CID002703	An Vinh Joint Stock Mineral Processing Company	VIET NAM	
Tin	CID002706	Resind Industria e Comercio Ltda.	BRAZIL	Conformant
Tin	CID002756	Super Ligas	BRAZIL	
Tin	CID002773	Metallo Belgium N.V.	BELGIUM	Conformant
Tin	CID002774	Metallo Spain S.L.U.	SPAIN	Conformant
Tin	CID002834	Thai Nguyen Mining and Metallurgy Co., Ltd.	VIET NAM	Conformant
Tin	CID002835	PT Menara Gipta Mulia	INDONESIA	Conformant
Tin	CID002844	HuiChang Hill Tin Industry Co., Ltd.	CHINA	Conformant
Tin	CID002848	Gejiu Fengming Metallurgy Chemical Plant	CHINA	
Tin	CID002849	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA	
Tin	CID002858	Modeltech Sdn Bhd	MALAYSIA	
Tin	CID002870	PT Lautan Harmonis Sejahtera	INDONESIA	
Tin	CID003116	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA	Conformant
Tin	CID003190	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA	Conformant
Tin	CID003205	PT Bangka Serumpun	INDONESIA	Conformant
Tin	CID003208	Pongpipat Company Limited	MYANMAR	
Tin	CID003325	Tin Technology & Refining	UNITED STATES OF AMERICA	Conformant
Tin	CID003356	Dongguan CiEXPO Environmental Engineering Co., Ltd.	CHINA	
Tin	CID003379	Ma'anshan Weitai Tin Co., Ltd.	CHINA	Conformant
Tin	CID003381	PT Rajawali Rimba Perkasa	INDONESIA	Conformant
Tin	CID003387	Luna Smelter, Ltd.	RWANDA	Conformant
Tin	CID003397	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CHINA	
Tin	CID003409	Precious Minerals and Smelting Limited	INDIA	
Tin	CID003410	Gejiu City Fuxiang Industry and Trade Co., Ltd.	CHINA	
Tin	CID003449	PT Mitra Sukses Globalindo	INDONESIA	
Tin	CID003486	CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda	BRAZIL	
Tin	CID003524	CRM Synergies	SPAIN	Conformant
Tin	CID003582	Fabrica Auricchio Industria e Comercio Ltda.	BRAZIL	Conformant
Tungsten	CID000004	A.L.M.T. Corp.	JAPAN	Conformant
Tungsten	CID000105	Kennametal Huntsville	UNITED STATES OF AMERICA	Conformant
Tungsten	CID000218	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID000258	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID000281	CNMC (Guangxi) PGMA Co., Ltd.	CHINA	
Tungsten	CID000499	Fujian Jinxin Tungsten Co., Ltd.	CHINA	
Tungsten	CID000568	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	Conformant
Tungsten	CID000766	Hunan Chenzhou Mining Co., Ltd.	CHINA	Conformant
Tungsten	CID000769	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	Conformant
Tungsten	CID000825	Japan New Metals Co., Ltd.	JAPAN	Conformant
Tungsten	CID000875	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	Conformant
Tungsten	CID000966	Kennametal Fallon	UNITED STATES OF AMERICA	Conformant
Tungsten	CID001889	Tejing (Vietnam) Tungsten Co., Ltd.	VIET NAM	
Tungsten	CID002044	Wolfram Bergbau und Hutten AG	AUSTRIA	Conformant
Tungsten	CID002082	Xiamen Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002095	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA	
Tungsten	CID002313	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA	
Tungsten	CID002315	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002316	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002317	Jiangxi Xincheng Tungsten Industry Co., Ltd.	CHINA	Conformant
Tungsten	CID002318	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA	Conformant
Tungsten	CID002319	Malipo Haiyu Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002320	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	Conformant
Tungsten	CID002321	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002468	Asia Tungsten Products Vietnam Ltd.	VIET NAM	
Tungsten	CID002494	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA	Conformant
Tungsten	CID002502	Asia Tungsten Products Vietnam Ltd.	VIET NAM	Conformant
Tungsten	CID002513	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA	Conformant
Tungsten	CID002541	H.C. Starck Tungsten GmbH	GERMANY	Conformant
Tungsten	CID002542	H.C. Starck Smelting GmbH & Co. KG	GERMANY	Conformant
Tungsten	CID002543	Masan Tungsten Chemical LLC (MTC)	VIET NAM	Conformant
Tungsten	CID002551	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA	Conformant
Tungsten	CID002579	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA	
Tungsten	CID002589	Niagara Refining LLC	UNITED STATES OF AMERICA	Conformant
Tungsten	CID002641	China Molybdenum Co., Ltd.	CHINA	Conformant
Tungsten	CID002645	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA	Conformant
Tungsten	CID002647	Jiangxi Xianglu Tungsten Co., Ltd.	CHINA	
Tungsten	CID002649	Hydrometallurg, JSC	RUSSIAN FEDERATION	Conformant
Tungsten	CID002724	Unecha Refractory metals plant	RUSSIAN FEDERATION	Conformant
Tungsten	CID002815	South-East Nonferrous Metal Company Limited of Hengyang City	CHINA	

Smelter and Refiner List for 3TG & Cobalt identified in Survey for FY2022 (as of June 10, 2022)

Metal	Smelter ID	Smelter or Refiner Name	Country	
Tungsten	CID002827	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES	Conformant
Tungsten	CID002830	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA	Conformant
Tungsten	CID002833	ACL Metais Eireli	BRAZIL	Conformant
Tungsten	CID002843	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF	Conformant
Tungsten	CID002845	Moliren Ltd.	RUSSIAN FEDERATION	Conformant
Tungsten	CID003182	Hunan Litian Tungsten Industry Co., Ltd.	CHINA	
Tungsten	CID003388	KGETS Co., Ltd.	KOREA, REPUBLIC OF	Conformant
Tungsten	CID003401	Fujian Ganmin RareMetal Co., Ltd.	CHINA	Conformant
Tungsten	CID003402	CP Metals Inc.	UNITED STATES OF AMERICA	
Tungsten	CID003407	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA	Conformant
Tungsten	CID003408	JSC "Kirovgrad Hard Alloys Plant"	RUSSIAN FEDERATION	Conformant
Tungsten	CID003416	NPP Tyazhmetprom LLC	RUSSIAN FEDERATION	
Tungsten	CID003417	GEM Co., Ltd.	CHINA	Conformant
Tungsten	CID003427	Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.	BRAZIL	
Tungsten	CID003448	CP Metals Inc.	UNITED STATES OF AMERICA	
Tungsten	CID003468	Cronimet Brasil Ltda	BRAZIL	Conformant
Tungsten	CID003553	Artek LLC	RUSSIAN FEDERATION	
Tungsten	CID003609	Fujian Xinlu Tungsten Co., Ltd.	CHINA	Conformant
Cobalt	CID003209	Gem (Jiangsu) Cobalt Industry Co., Ltd.	CHINA	Conformant
Cobalt	CID003210	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003211	Zhuhai Kelixin Metal Materials Co., Ltd.	CHINA	
Cobalt	CID003212	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	CHINA	Conformant
Cobalt	CID003213	Guangxi Yinyi Advanced Material Co., Ltd.	CHINA	
Cobalt	CID003215	Tianjin Maolian Science & Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003219	Hunan Brunp Recycling Technology Co., Ltd.	CHINA	
Cobalt	CID003221	Nantong Xinwei Nickel Cobalt Technology Development Co., Ltd.	CHINA	
Cobalt	CID003225	Zhejiang Huayou Cobalt Company Limited	CHINA	Conformant
Cobalt	CID003226	Umicore Finland Oy	FINLAND	Conformant
Cobalt	CID003227	Gangzhou Yi Hao Umicore Industry Co.	CHINA	
Cobalt	CID003228	Umicore Olen	BELGIUM	Conformant
Cobalt	CID003232	The Ambatovy	MADAGASCAR	
Cobalt	CID003233	JSC Kolskaya Mining and Metallurgical Company (Kola MMC)	RUSSIAN FEDERATION	
Cobalt	CID003240	Sudbury Integrated Nickel Operation	CANADA	
Cobalt	CID003242	Fort Saskatchewan Metals Facility	CANADA	
Cobalt	CID003252	Nanjing Hanrui Cobalt	CHINA	
Cobalt	CID003255	Quzhou Huayou Cobalt New Material Co., Ltd.	CHINA	Conformant
Cobalt	CID003261	Kamoto Copper Company	CONGO, DEMOCRATIC REPUBLIC OF THE	Conformant
Cobalt	CID003264	Chemaf Etoile	CONGO, DEMOCRATIC REPUBLIC OF THE	Conformant
Cobalt	CID003278	Sumitomo Metal Mining	JAPAN	Conformant
Cobalt	CID003279	Mine de Bou-Azzer	MOROCCO	Conformant
Cobalt	CID003280	Compagnie de Tifnout Tiranimine	MOROCCO	Conformant
Cobalt	CID003291	Guangdong Jiana Energy Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003293	Jiangsu Xiongfeng Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003338	SungEel HiTech Co.,Ltd.	KOREA, REPUBLIC OF	Conformant
Cobalt	CID003377	Jiangxi Jiangwu Cobalt industrial Co., Ltd.	CHINA	
Cobalt	CID003378	Jingmen GEM Co., Ltd.	CHINA	Conformant
Cobalt	CID003384	Ganzhou Highpower Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003390	NORILSK NICKEL HARJAVALTA OY	FINLAND	Conformant
Cobalt	CID003398	New Era Group Zhejiang Zhongneng Cycle Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003403	Glencore Nikkelverk Refinery	NORWAY	
Cobalt	CID003404	Hunan Yacheng New Materials Co., Ltd.	CHINA	Conformant
Cobalt	CID003406	Murrin Murrin Nickel Cobalt Plant	AUSTRALIA	Conformant
Cobalt	CID003411	Hunan Zoomwe New Energy Science & Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003415	Cosmo EcoChem Co., Ltd.	KOREA, REPUBLIC OF	Conformant
Cobalt	CID003422	Ningbo Yanmen Chemical Co., Ltd.	CHINA	
Cobalt	CID003423	Chemaf Usoke	CONGO, DEMOCRATIC REPUBLIC OF THE	Conformant
Cobalt	CID003447	Jiangxi Rui da Xinnengyuan Technology Co., Ltd.	CHINA	
Cobalt	CID003465	Ningbo Hubang New Material Co., Ltd.	CHINA	Conformant
Cobalt	CID003473	CoreMax Corporation	TAIWAN, PROVINCE OF CHINA	Conformant
Cobalt	CID003481	Chizhou Xi'en New Material Technology Co., Ltd.	CHINA	Conformant
Cobalt	CID003526	Zhejiang Zhongjin Greatpower Lithium-Battery Industrial Corporation Co., Ltd.	CHINA	Conformant
Cobalt	CID003533	Mechema Taiwan Plant 1	TAIWAN, PROVINCE OF CHINA	
Cobalt	CID003534	Mechema Taiwan Plant 2	TAIWAN, PROVINCE OF CHINA	
Cobalt	CID003577	Harima Refinery, Sumitomo Metal Mining	JAPAN	Conformant
Cobalt	CID003610	Guizhou CNGR Resource Recycling Industry Development Co., Ltd.	CHINA	Conformant