



Smelter and Refiner List

2018

This smelter and refiner list includes smelters and refiners identified in Apple's supply chain as of December 31, 2018.



Smelter and Refiner List

We remain deeply committed to using minerals in our products that do not contribute to conflict or violations of human rights.

As we move toward mining less from the earth, continuous efforts are made to responsibly source materials used in our products. In 2014, we became one of the first companies to transparently publish a list of smelters and refiners who provide materials to our suppliers, and we continue to do so every year. We work continuously with our suppliers to increase standards and safeguard human rights, and we actively collaborate with international organizations, non-governmental organizations (NGOs) and cross-industry initiatives to drive progress.

For more information on the sourcing of minerals used in our products see the Supplier Responsibility Report. Our Conflict Minerals Report, filed annually with the United States Securities and Exchange Commission, details progress in our work to responsibly source tin, tantalum, tungsten and gold (3TG) that enters our supply chain.

Third-Party Audit Status

In 2018, 100 percent of our identified 3TG and cobalt smelters and refiners participated in a third-party audit program. Those who have agreed to take part but are yet to complete an audit are listed as Participating. More information regarding our smelters and refiners is published by the Responsible Minerals Initiative (RMI)'s [Responsible Minerals Assurance Program \(RMAP\)](#), the LBMA's [Good Delivery List](#), and the [Responsible Jewellery Council \(RJC\)](#).

Risk Readiness Assessment Status

In 2018, we completed the transition of the Risk Readiness Assessment (RRA) to RMI to make the tool broadly available. The RRA has been increasingly utilized by companies at all levels of the supply chain in the electronics sector and other industries, such as the automotive and aerospace industries. As reported by RMI, as of December 31, 2018, 265 downstream companies and upstream smelters and refiners utilized the RRA, compared to 211 users in 2017. We continue to use the RRA on a targeted basis to assess supply chain risks, with a particular focus on new smelters and refiners that enter its supply chain and on additional minerals beyond 3TG.

Third-Party Audit Status (3TG)

Conformant denotes smelters and refiners verified by a recognized third-party audit program or equivalent. Participating denotes smelters and refiners that have agreed to participate in a recognized third-party audit, equivalent audit, or supervised corrective action plan and are actively engaged in that process.

For more details and the most current status of each smelter or refiner, visit the Responsible Minerals Assurance Process (RMAP) website at <http://www.responsiblemineralsinitiative.org> and LBMA's Good Delivery list at www.lbma.org.uk/the-good-delivery-list, or company websites.

Third-Party Audit Status (Cobalt)

Completed denotes refiners have completed an independent third-party audit aligned with OECD 5 Step due diligence guidelines.

Participating denotes smelters and refiners that have agreed to participate in a recognized third-party audit, equivalent audit, or supervised corrective action plan and are actively engaged in that process.

Risk Readiness Assessment Status

As part of the Organisation for Economic Co-operation and Development (OECD) guidance, supply chain actors should identify and report on their risks. Apple has utilized the Risk Readiness Assessment (RRA) again in 2018. The RRA covers general reporting of each company's risk readiness across a number of different risk issue areas. Apple may approve, on a case-by-case basis, other risk reporting tools that provide equivalent information.

In 2018, the following percentage of 3TG and Cobalt Smelters and Refiners completed the Risk Readiness Assessment (RRA):

- 85 percent of 3TG smelters and refiners completed the RRA.
- 100 percent of cobalt refiners completed the RRA.

Metal	Smelter Name	Country	Third-Party Audit Status
● Cobalt	Freeport Cobalt Oy (Kokkola)	Finland	Completed
● Cobalt	Ganzhou Highpower Technology Co., Ltd.	China	Completed
● Cobalt	Ganzhou Tengyuan Cobalt New Material Co., Ltd.	China	Completed
● Cobalt	GEM (JIANGSU) Cobalt Industry Co., Ltd.	China	Completed
● Cobalt	Guangdong Jiana Energy Technology Co., Ltd.	China	Completed
● Cobalt	Guangxi Yinyi Advanced Material Co., Ltd.	China	Completed
● Cobalt	Gangzhou Yi Hao Umicore Industry Co. (Umicore)	China	Completed
● Cobalt	Hunan Brunp Recycling Technology Co., Ltd.	China	Completed
● Cobalt	Hunan Shiji Yintian New Material Co., Ltd.	China	Completed
● Cobalt	Hunan Yacheng New Materials Co., Ltd.	China	Completed
● Cobalt	Hunan Zoomwe New Energy Science & Technology Co., Ltd.	China	Completed
● Cobalt	Jiangsu Xiongfeng Science & Technology Co., Ltd.	China	Completed
● Cobalt	Jiangxi Jiangwu Cobalt Industry Co., Ltd.	China	Completed
● Cobalt	Jingmen GEM Co., Ltd.	China	Completed
● Cobalt	Lanzhou Jinchuan Advanced Materials Technology Co., Ltd.	China	Completed
● Cobalt	Nantong Xinwei Nickel & Cobalt Hightech Development Co., Ltd.	China	Completed
● Cobalt	Ningbo Hubang New Material Co., Ltd.	China	Completed
● Cobalt	Ningbo Yanmen Chemical Co., Ltd.	China	Completed

Metal	Smelter Name	Country	Third-Party Audit Status
● Cobalt	New Era Group Zhenjiang Zhongneng Cycle Technology Co., Ltd.	China	Completed
● Cobalt	Quzhou Huayou Cobalt New Material Co., Ltd.	China	Completed
● Cobalt	Tianjin Maolian Science & Technology Co., Ltd.	China	Completed
● Cobalt	Umicore Olen (Umicore)	Belgium	Completed
● Cobalt	Xiangtan Huacheng Nickel and Cobalt Co., Ltd.	China	Completed
● Cobalt	XTC New Energy Materials (Xiamen) Ltd.	China	Completed
● Cobalt	Zhejiang Huayou Cobalt Co., Ltd.	China	Completed
● Cobalt	Zhuhai Kelixin Metal Materials Co., Ltd.	China	Completed
● Tin	Alpha*	United States	Conformant
● Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	China	Conformant
● Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	China	Conformant
● Tin	China Tin Group Co., Ltd.	China	Conformant
● Tin	CV Ayi Jaya	Indonesia	Conformant
● Tin	CV Dua Sekawan	Indonesia	Conformant
● Tin	CV Gita Pesona	Indonesia	Conformant
● Tin	CV United Smelting	Indonesia	Conformant
● Tin	CV Venus Inti Perkasa	Indonesia	Conformant
● Tin	Dowa	Japan	Conformant
● Tin	EM Vinto**	Bolivia	Conformant
● Tin	Fenix Metals*	Poland	Conformant
● Tin	Gejiu Fengming Metallurgy Chemical Plant	China	Conformant
● Tin	Gejiu Jinye Mineral Company	China	Conformant
● Tin	Gejiu Kai Meng Industry and Trade LLC	China	Conformant
● Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	China	Conformant
● Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	China	Conformant
● Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	China	Conformant
● Tin	Guanyang Guida Nonferrous Metal Smelting Plant	China	Conformant
● Tin	HuiChang Hill Tin Industry Co., Ltd.	China	Conformant
● Tin	Huichang Jinshunda Tin Co., Ltd.	China	Conformant
● Tin	Jiangxi Ketai Advanced Material Co., Ltd.**	China	Conformant
● Tin	Jiangxi New Nanshan Technology Ltd.	China	Conformant
● Tin	Magnu's Minerais Metais e Ligas Ltda.	Brazil	Conformant
● Tin	Malaysia Smelting Corp. (MSC)	Malaysia	Conformant
● Tin	Melt Metais e Ligas S.A.	Brazil	Conformant
● Tin	Metallic Resources Inc.*	United States	Conformant
● Tin	Metallo Belgium N.V.*	Belgium	Conformant
● Tin	Metallo Spain S.L.U.*	Spain	Conformant
● Tin	Mineração Taboca S.A.	Brazil	Conformant
● Tin	Minsur	Peru	Conformant
● Tin	Mitsubishi Materials Corp.*	Japan	Conformant
● Tin	Modeltech Sdn Bhd*	Malaysia	Conformant
● Tin	O.M. Manufacturing (Thailand) Co., Ltd.	Thailand	Conformant
● Tin	O.M. Manufacturing Philippines Inc.*	Philippines	Conformant
● Tin	Operaciones Metalurgicas S.A.	Bolivia	Conformant

Metal	Smelter Name	Country	Third-Party Audit Status
● Tin	PT Aries Kencana Sejahtera	Indonesia	Conformant
● Tin	PT Artha Cipta Langgeng	Indonesia	Conformant
● Tin	PT ATD Makmur Mandiri Jaya	Indonesia	Conformant
● Tin	PT Babel Inti Perkasa	Indonesia	Conformant
● Tin	PT Bangka Prima Tin	Indonesia	Conformant
● Tin	PT Bangka Serumpun	Indonesia	Conformant
● Tin	PT Bangka Tin Industry	Indonesia	Conformant
● Tin	PT Belitung Industri Sejahtera	Indonesia	Conformant
● Tin	PT Bukit Timah	Indonesia	Conformant
● Tin	PT DS Jaya Abadi	Indonesia	Conformant
● Tin	PT Eunindo Usaha Mandiri**	Indonesia	Conformant
● Tin	PT Inti Stania Prima	Indonesia	Conformant
● Tin	PT Karimun Mining	Indonesia	Conformant
● Tin	PT Kijang Jaya Mandiri	Indonesia	Conformant
● Tin	PT Lautan Harmonis Sejahtera	Indonesia	Conformant
● Tin	PT Menara Cipta Mulia	Indonesia	Conformant
● Tin	PT Mitra Stania Prima	Indonesia	Conformant
● Tin	PT Panca Mega Persada	Indonesia	Conformant
● Tin	PT Premium Tin Indonesia	Indonesia	Conformant
● Tin	PT Prima Timah Utama	Indonesia	Conformant
● Tin	PT Rajehan Ariq	Indonesia	Conformant
● Tin	PT Refined Bangka Tin	Indonesia	Conformant
● Tin	PT Sariwiguna Binasentosa	Indonesia	Conformant
● Tin	PT Stanindo Inti Perkasa	Indonesia	Conformant
● Tin	PT Sukses Inti Makmur	Indonesia	Conformant
● Tin	PT Sumber Jaya Indah	Indonesia	Conformant
● Tin	PT Timah Tbk Kundur	Indonesia	Conformant
● Tin	PT Timah Tbk Mentok	Indonesia	Conformant
● Tin	PT Tinindo Inter Nusa	Indonesia	Conformant
● Tin	PT Tommy Utama	Indonesia	Conformant
● Tin	Resind Indústria e Comércio Ltda.*	Brazil	Conformant
● Tin	Rui Da Hung	Taiwan	Conformant
● Tin	Soft Metais Ltda.	Brazil	Conformant
● Tin	Thaisarco	Thailand	Conformant
● Tin	White Solder Metalurgia e Mineração Ltda.	Brazil	Conformant
● Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	China	Conformant
● Tin	Yunnan Tin Co., Ltd.	China	Conformant
● Tantalum	Asaka Riken Co., Ltd.*	Japan	Conformant
● Tantalum	Changsha South Tantalum Niobium Co., Ltd.*	China	Conformant
● Tantalum	D Block Metals LLC*	United States	Conformant
● Tantalum	Exotech Inc.*	United States	Conformant
● Tantalum	F&X Electro-Materials Ltd.	China	Conformant
● Tantalum	FIR Metals & Resource Ltd.	China	Conformant
● Tantalum	Global Advanced Metals Aizu	Japan	Conformant

Metal	Smelter Name	Country	Third-Party Audit Status
● Tantalum	Global Advanced Metals Boyertown	United States	Conformant
● Tantalum	Guangdong Rising Rare Metals-EO Materials Ltd.	China	Conformant
● Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	China	Conformant
● Tantalum	H.C. Starck Co., Ltd.	Thailand	Conformant
● Tantalum	H.C. Starck Hermsdorf GmbH	Germany	Conformant
● Tantalum	H.C. Starck Inc.	United States	Conformant
● Tantalum	H.C. Starck Ltd.	Japan	Conformant
● Tantalum	H.C. Starck Smelting GmbH & Co. KG	Germany	Conformant
● Tantalum	H.C. Starck Tantalum and Niobium GmbH	Germany	Conformant
● Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	China	Conformant
● Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	China	Conformant
● Tantalum	Jiangxi Tuohong New Raw Material	China	Conformant
● Tantalum	Jiujiang Janny New Material Co., Ltd.	China	Conformant
● Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	China	Conformant
● Tantalum	Jiujiang Tanbre Co., Ltd.	China	Conformant
● Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	China	Conformant
● Tantalum	Kemet Blue Metals	Mexico	Conformant
● Tantalum	Kemet Blue Powder	United States	Conformant
● Tantalum	LSM Brasil S.A.	Brazil	Conformant
● Tantalum	Metallurgical Products India Pvt., Ltd.	India	Conformant
● Tantalum	Mineração Taboca S.A.	Brazil	Conformant
● Tantalum	Mitsui Mining and Smelting Co., Ltd.	Japan	Conformant
● Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	China	Conformant
● Tantalum	NPM Silmet A.S.	Estonia	Conformant
● Tantalum	QuantumClean*	United States	Conformant
● Tantalum	Resind Indústria e Comércio Ltda. *	Brazil	Conformant
● Tantalum	RFH Tantalum Smeltery Co., Ltd./Yanling Jincheng Tantalum & Niobium Co., Ltd.*	China	Conformant
● Tantalum	Solikamsk Magnesium Works OAO	Russia	Conformant
● Tantalum	Taki Chemical Co., Ltd.	Japan	Conformant
● Tantalum	Telex Metals*	United States	Conformant
● Tantalum	Ulba Metallurgical Plant JSC	Kazakhstan	Conformant
● Tantalum	XinXing Haorong Electronic Material Co., Ltd.	China	Conformant
● Tungsten	A.L.M.T. Corp.	Japan	Conformant
● Tungsten	ACL Metais Eireli	Brazil	Conformant
● Tungsten	Asia Tungsten Products Vietnam Ltd.**	Vietnam	Conformant
● Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	China	Conformant
● Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	China	Conformant
● Tungsten	FuJian JinXin Tungsten Co., Ltd.	China	Conformant
● Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	China	Conformant
● Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	China	Conformant
● Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	China	Conformant
● Tungsten	Global Tungsten & Powders Corp.	United States	Conformant
● Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	China	Conformant

Metal	Smelter Name	Country	Third-Party Audit Status
● Tungsten	H.C. Starck Smelting GmbH & Co. KG	Germany	Conformant
● Tungsten	H.C. Starck Tungsten GmbH	Germany	Conformant
● Tungsten	Hunan Chenzhou Mining Co., Ltd.	China	Conformant
● Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	China	Conformant
● Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	China	Conformant
● Tungsten	Hydrometallurg JSC	Russia	Conformant
● Tungsten	Japan New Metals Co., Ltd.	Japan	Conformant
● Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	China	Conformant
● Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	China	Conformant
● Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	China	Conformant
● Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	China	Conformant
● Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	China	Conformant
● Tungsten	Kennametal Fallon	United States	Conformant
● Tungsten	Kennametal Huntsville	United States	Conformant
● Tungsten	Malipo Haiyu Tungsten Co., Ltd.	China	Conformant
● Tungsten	Masan Tungsten Chemical LLC (MTC)	Vietnam	Conformant
● Tungsten	Moliren Ltd.	Russia	Conformant
● Tungsten	Niagara Refining LLC	United States	Conformant
● Tungsten	Philippine Chuangxin Industrial Co., Inc.*	Philippines	Conformant
● Tungsten	South-East Nonferrous Metal Co., Ltd. of Hengyang City	China	Conformant
● Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	Vietnam	Conformant
● Tungsten	Unecha Refractory Metals Plant	Russia	Conformant
● Tungsten	Vietnam Youngsun Tungsten Industry Co., Ltd.**	Vietnam	Conformant
● Tungsten	Wolfram Bergbau und Hütten AG	Austria	Conformant
● Tungsten	Woltech Korea Co., Ltd.	Republic of Korea	Conformant
● Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	China	Conformant
● Tungsten	Xiamen Tungsten Co., Ltd.	China	Conformant
● Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	China	Conformant
● Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	China	Conformant
● Gold	Advanced Chemical Co.*	United States	Conformant
● Gold	Aida Chemical Industries Co., Ltd.*	Japan	Conformant
● Gold	Al Etihad Gold Refinery DMCC	United Arab Emirates	Conformant
● Gold	Allgemeine Gold-und Silberscheideanstalt A.G.*	Germany	Conformant
● Gold	Almalyk Mining and Metallurgical Complex (AMMC)	Uzbekistan	Conformant
● Gold	AngloGold Ashanti Córrego do Sítio Mineração	Brazil	Conformant
● Gold	Argor-Heraeus S.A.	Switzerland	Conformant
● Gold	Asahi Pretec Corp.*	Japan	Conformant
● Gold	Asahi Refining Canada Ltd.	Canada	Conformant
● Gold	Asahi Refining USA Inc.	United States	Conformant
● Gold	Asaka Riken Co., Ltd.*	Japan	Conformant
● Gold	AU Traders and Refiners	South Africa	Conformant
● Gold	Aurubis AG	Germany	Conformant
● Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)**	Philippines	Conformant
● Gold	Boliden AB	Sweden	Conformant

Metal	Smelter Name	Country	Third-Party Audit Status
● Gold	C. Hafner GmbH + Co. KG*	Germany	Conformant
● Gold	CCR Refinery – Glencore Canada Corp.	Canada	Conformant
● Gold	Cendres + Métaux S.A.*	Switzerland	Conformant
● Gold	Chimet S.p.A.*	Italy	Conformant
● Gold	Daejin Indus Co., Ltd.*	Republic of Korea	Conformant
● Gold	DODUCO Contacts and Refining GmbH*	Germany	Conformant
● Gold	Dowa	Japan	Conformant
● Gold	DSC (Do Sung Corp.)	Republic of Korea	Conformant
● Gold	Eco-System Recycling Co., Ltd.*	Japan	Conformant
● Gold	Emirates Gold DMCC	United Arab Emirates	Conformant
● Gold	Geib Refining Corp.*	United States	Conformant
● Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	China	Conformant
● Gold	HeeSung Metal Ltd.*	Republic of Korea	Conformant
● Gold	Heimerle + Meule GmbH*	Germany	Conformant
● Gold	Heraeus Metals Hong Kong Ltd.	Hong Kong	Conformant
● Gold	Heraeus Precious Metals GmbH & Co. KG	Germany	Conformant
● Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	China	Conformant
● Gold	Ishifuku Metal Industry Co., Ltd.*	Japan	Conformant
● Gold	Istanbul Gold Refinery	Turkey	Conformant
● Gold	Italpreziosi	Italy	Conformant
● Gold	Japan Mint*	Japan	Conformant
● Gold	Jiangxi Copper Co., Ltd.	China	Conformant
● Gold	JSC UralElectromed	Russia	Conformant
● Gold	JX Nippon Mining & Metals Co., Ltd.	Japan	Conformant
● Gold	Kazzinc	Kazakhstan	Conformant
● Gold	Kennecott Utah Copper LLC	United States	Conformant
● Gold	Kojima Chemicals Co., Ltd.*	Japan	Conformant
● Gold	Korea Zinc Co., Ltd.	Republic of Korea	Conformant
● Gold	Kyrgyzaltyn JSC	Kyrgyzstan	Conformant
● Gold	LS-NIKKO Copper Inc.	Republic of Korea	Conformant
● Gold	Marsam Metals	Brazil	Conformant
● Gold	Materion	United States	Conformant
● Gold	Matsuda Sangyo Co., Ltd.*	Japan	Conformant
● Gold	Metalor Technologies (Hong Kong) Ltd.	Hong Kong	Conformant
● Gold	Metalor Technologies (Singapore) Pte., Ltd.	Singapore	Conformant
● Gold	Metalor Technologies (Suzhou) Ltd.	China	Conformant
● Gold	Metalor Technologies S.A.	Switzerland	Conformant
● Gold	Metalor USA Refining Corp.	United States	Conformant
● Gold	Metalúrgica Met-Mex Peñoles S.A. de C.V.	Mexico	Conformant
● Gold	Mitsubishi Materials Corp.	Japan	Conformant
● Gold	Mitsui Mining and Smelting Co., Ltd.	Japan	Conformant
● Gold	MMTC-PAMP India Pvt., Ltd.	India	Conformant
● Gold	Moscow Special Alloys Processing Plant	Russia	Conformant
● Gold	Nadir Metal Rafineri San. Ve Tic. A.Ş.	Turkey	Conformant

Metal	Smelter Name	Country	Third-Party Audit Status
● Gold	Navoi Mining and Metallurgical Combinat	Uzbekistan	Conformant
● Gold	Nihon Material Co., Ltd.*	Japan	Conformant
● Gold	Ögussa Österreichische Gold- und Silber-Scheideanstalt GmbH*	Austria	Conformant
● Gold	Ohura Precious Metal Industry Co., Ltd.	Japan	Conformant
● Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	Russia	Conformant
● Gold	OJSC Novosibirsk Refinery	Russia	Conformant
● Gold	PAMP S.A.	Switzerland	Conformant
● Gold	Planta Recuperadora de Metales SpA	Chile	Conformant
● Gold	Prioksky Plant of Non-Ferrous Metals	Russia	Conformant
● Gold	PT Aneka Tambang (Persero) Tbk	Indonesia	Conformant
● Gold	PX Précinox S.A.	Switzerland	Conformant
● Gold	Rand Refinery (Pty) Ltd.	South Africa	Conformant
● Gold	Remondis PMR B.V.*	Netherlands	Conformant
● Gold	Republic Metals Corp.**	United States	Conformant
● Gold	Royal Canadian Mint	Canada	Conformant
● Gold	SAAMP	France	Conformant
● Gold	Safimet S.p.A*	Italy	Conformant
● Gold	Samduck Precious Metals*	Republic of Korea	Conformant
● Gold	SAXONIA Edelmetalle GmbH*	Germany	Conformant
● Gold	SEMPSA Joyería Platería S.A.*	Spain	Conformant
● Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	China	Conformant
● Gold	Sichuan Tianze Precious Metals Co., Ltd.	China	Conformant
● Gold	Singway Technology Co., Ltd.*	Taiwan	Conformant
● Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	Russia	Conformant
● Gold	Solar Applied Materials Technology Corp.*	Taiwan	Conformant
● Gold	Sumitomo Metal Mining Co., Ltd.	Japan	Conformant
● Gold	SungEel HiMetal Co., Ltd.*	Republic of Korea	Conformant
● Gold	T.C.A. S.p.A.*	Italy	Conformant
● Gold	Tanaka Kikinzoku Kogyo K.K.*	Japan	Conformant
● Gold	The Refinery of Shandong Gold Mining Co., Ltd.	China	Conformant
● Gold	Tokuriki Honten Co., Ltd.	Japan	Conformant
● Gold	Torecom*	Republic of Korea	Conformant
● Gold	Umicore Brasil Ltda.	Brazil	Conformant
● Gold	Umicore Precious Metals Thailand*	Thailand	Conformant
● Gold	Umicore S.A. Business Unit Precious Metals Refining	Belgium	Conformant
● Gold	United Precious Metal Refining Inc.*	United States	Conformant
● Gold	Valcambi S.A.	Switzerland	Conformant
● Gold	Western Australian Mint trading as The Perth Mint	Australia	Conformant
● Gold	Wieland Edelmetalle GmbH*	Germany	Conformant
● Gold	Yamakin Co., Ltd.*	Japan	Conformant
● Gold	Yokohama Metal Co., Ltd.*	Japan	Conformant
● Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corp.	China	Conformant

* The smelter/refiner is believed to process at least some 3TG from recycled or scrap sources

** The smelter or refiner is in the process of being removed

For more information

For more information about Apple's Supplier Responsibility program, visit <http://www.apple.com/supplier-responsibility>.

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