

As filed with the Securities and Exchange Commission on June 1, 2020

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM SD
Specialized Disclosure Report

LivaNova

LivaNova PLC

England and Wales

(State or other jurisdiction of incorporation or organization)

001-37599

(Commission File Number)

98-1268150

(I.R.S. Employer Identification No.)

**20 Eastbourne Terrace
London, United Kingdom
W2 6LG**

(Address of Principal Executive Offices) (Zip Code)

Keyna Skeffington

Company Secretary

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(Name and telephone number, including area code, of the person to contact in connection with this report)

Check the appropriate box to indicate the rule pursuant to which this form is being filed, and provide the period to which the information in this form applies:

Rule 13p-1 under the Securities Exchange Act (17 CFR 240.13p-1) for the reporting period from January 1 to December 31, 2019.

INFORMATION TO BE INCLUDED IN THE REPORT

Section 1—Conflict Minerals Disclosure

Item 1.01 Conflict Minerals Disclosure and Report

LivaNova PLC, headquartered in London, (collectively with its subsidiaries, the “Company”, “LivaNova”, “we” or “our”), is a global medical device company focused on the development and delivery of important therapeutic solutions for the benefit of patients, healthcare professionals and healthcare systems throughout the world. Working closely with our global team of medical professionals in the fields of Cardiac Surgery and Neuromodulation, we design, develop, manufacture and sell innovative therapeutic solutions. At LivaNova, we unite to provide hope for patients and their families through innovative medical technologies, delivering life-changing improvements for both the Head and Heart.

LivaNova is filing this Specialized Disclosure report on Form SD (this “Form SD”) for LivaNova’s Neuromodulation and Cardiac Surgery supply chain operations for the year ended December 31, 2019. This Form SD is presented in compliance with Rule 13p-1 under the Securities Exchange Act of 1934, as amended, for the reporting period from January 1, 2019 to December 31, 2019.

A copy of our Conflict Minerals Report is filed as a part of this Form SD. In accordance with Rule 12b-12 (17 CFR 240.12b-12), a copy of this Form SD may be found on our website at <https://investor.livanova.com/sec-filings>.

Item 1.02 Exhibits

LivaNova has filed as an exhibit to this Form SD, the Conflict Minerals Report required by Item 1.01.

Section 2—Exhibits

Item 2.01 Exhibits

The following exhibit is filed as part of this report.

<u>Exhibit</u>	<u>Description</u>
1.01	Conflict Minerals Report as required by Items 1.01 and 1.02 of this Form.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the duly authorized undersigned.

LivaNova PLC

Date: June 1, 2020

By: /s/ Keyna Skeffington
Name: Keyna Skeffington
Title: Company Secretary

LivaNova PLC
Conflict Minerals Report
For the Year Ended December 31, 2019

This Conflict Minerals Report of LivaNova PLC (this “Report”) has been prepared for the reporting period from January 1, 2019 to December 31, 2019 pursuant to Rule 13p-1 under the Securities Exchange Act of 1934 (the “Rule”). The Rule was adopted by the Securities and Exchange Commission (“SEC”) to implement disclosure and reporting requirements pursuant to Section 1502 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (the “Act”). The Act defines conflict minerals as cassiterite (tin), columbite-tantalite (tantalum), gold, wolframite (tungsten), (together, “3TGs”) or their derivatives (“Conflict Minerals”). The “Covered Countries” for the purposes of the Rule are the Democratic Republic of the Congo (DRC), the Republic of the Congo, the Central African Republic, South Sudan, Uganda, Rwanda, Burundi, Tanzania, Zambia and Angola. The Rule imposes certain reporting requirements on SEC registrants who manufacture or contract to manufacture products that include Conflict Minerals if such Conflict Minerals are necessary to the functionality or production of the products.

1. Company Overview

This Report has been prepared by the management of LivaNova PLC (“LivaNova,” “we,” “us,” “registrant,” “Company” or “our”). It does not include the activities of variable interest entities that are not required to be consolidated.

This Conflict Minerals Report reports the reasonable country of origin inquiry (“RCOI”) conducted in good faith to determine whether any of the 3TGs in LivaNova’s Neuromodulation and Cardiac Surgery supply chain operations originated from the Covered Countries for the year ended December 31, 2019.

At LivaNova, we understand the importance of bringing both clinical and economic value to our customers. We are a strong, market-leading medical technology and services company, offering a diverse product portfolio and global reach. In fiscal year 2019, LivaNova operated as two business franchises:

- **Cardiac Surgery:** LivaNova is engaged in the development, production and sale of cardiac surgery products, including oxygenators, heart-lung machines, perfusion tubing systems, cannulae and other accessories used for extracorporeal circulation, systems for autologous blood transfusion and blood washing, as well as a complete line of surgical tissue and mechanical heart valve replacements and repair products. In 2018, we acquired the TandemLife business, which is focused on the delivery of leading-edge temporary life support systems, including cardiopulmonary and respiratory support solutions. As 2019 represented TandemLife’s first full fiscal year under LivaNova operational and financial control, the supply chain due diligence activities have been included in this report.
- **Neuromodulation:** LivaNova designs, develops and markets neuromodulation-based medical devices for the treatment of epilepsy, depression, heart failure, and sleep apnea. Our seminal neuromodulation products consist of an implantable pulse generator and connective lead that work to stimulate the vagus nerve; surgical equipment to assist with the implant procedure; equipment and software to configure and set parameters; and magnets to manually suspend or induce nerve stimulation. In 2018, LivaNova acquired the ImThera business, which manufactures an implantable device that stimulates multiple tongue muscles via the hypoglossal nerve for the treatment of obstructive sleep apnea. As 2019 represented ImThera’s first full fiscal year under LivaNova operational and financial control, the supply chain due diligence activities have been included in this report.

Our broad and complex product range may contain conflict minerals within the following components:

- Tantalum, used in capacitors;
- Tin, used in electrical components, printed circuit board assembly (PCBA), hardware, and equipment;
- Tungsten, used in coatings, alloys, heating elements and electrodes; and
- Gold, used in circuit boards, electrodes and electronic components.

LivaNova divested its Cardiac Rhythm Management (CRM) business in 2018. As such, this report no longer contains information specific to CRM.

Additional information on LivaNova is available at www.livanova.com.

2. General Policy and Team

We strive to conduct our activities in a manner that reflects our mission and Code of Business Conduct and Ethics – which includes being a good corporate citizen, dealing fairly in business, behaving ethically, supporting a safe and healthy workplace, doing business in an environmentally responsible manner, and complying with applicable law. We are committed to ensuring that our supply chain reflects our values and beliefs, including adherence to principles of responsible sourcing for materials for our products. As part of our commitment, LivaNova supports the goals and objectives of Section 1502 of the Dodd Frank Act and upholds responsible sourcing practices. We expect our suppliers to support our efforts to comply with the Dodd Frank Act and to proactively identify and work towards eliminating the use of any minerals that fund or benefit armed groups from within our supply chain. In addition, we expect our suppliers to conduct business operations in an ethical manner and to comply with our Code of Conduct and all applicable laws related to environmental responsibility, workplace health and safety, and human resources.

We have established a cross-functional team to implement our conflict mineral compliance strategy and policy. This team has executive level involvement and access to various subject matter experts from such areas as sourcing, procurement, legal and finance.

3. Reasonable Country of Origin Inquiry

In beginning our analysis in conjunction with our partners at Assent Compliance, we first determined which of our products contained 3TGs necessary to the functionality or production of such products. We then conducted a good faith reasonable country of origin inquiry with respect to 3TGs contained in our products by assessing our supply chain in accordance with the framework in The Organization for Economic Co-Operation and Development (“OECD”) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict Affected and High-Risk Areas and the related supplements for gold, tin, tantalum and tungsten (the “OECD Guidance”).

The RCOI was designed to determine whether any 3TGs contained in our products originated in the Covered Countries. We do not purchase minerals directly from mines, smelters or refiners and therefore must rely on our direct suppliers to provide information on the origin of the minerals contained in components and materials supplied to us or products manufactured for us.

We began our supplier scoping process by:

- Determining which of our products commercially distributed in 2019 potentially contained one or more of the 3TGs;

- Identifying our suppliers that manufactured or contracted to manufacture components or products containing these 3TGs contained in our distributed products; and
- Providing this list composed of suppliers and parts associated with the in-scope products to Assent Compliance for upload to the Assent Compliance Manager (“ACM”).

The supply chain survey, and the conflict minerals program as a whole, has been developed and implemented in cooperation with Assent Compliance, a third-party service provider.

To collect data on the materials’ sources of origin procured by the supply chain, LivaNova utilized the Conflict Minerals Reporting Template (“CMRT”) version 5.12 to conduct a survey of all in-scope suppliers.

During the supplier survey, LivaNova contacted 360 suppliers via ACM, a software-as-a-service (SaaS) platform provided by Assent Compliance that enables users to complete and track supplier communications, and allows suppliers to upload completed CMRTs directly to the platform for validation, assessment and management. The ACM also provides functionality that meets the OECD Guidance process expectations by evaluating the quality of each supplier response and assigning a health score based on the supplier’s declaration of process engagement. Additionally, the metrics provided in this report, as well as the step-by-step process for supplier engagement and upstream due diligence investigations performed, are managed through this platform.

Via the ACM and Assent Compliance team, LivaNova requested that all suppliers, identified as possibly providing components containing 3TGs, complete a CMRT. Training and education to guide suppliers on best practices and the use of this template was included. Assent Compliance monitored and tracked all communications in the ACM for future reporting and transparency. LivaNova directly contacted suppliers that were unresponsive to Assent Compliances’ repeated communication attempts during the diligence process and requested these suppliers complete the CMRT and submit it to Assent Compliance.

LivaNova’s program continues to include automated data validation on all submitted CMRTs. The goal of data validation is to increase the accuracy of submissions and identify any contradictory answers in the CMRT. This data validation is based on questions within the declaration tab of the CMRT which helps to identify areas that require further classification or risk assessment, as well as understand the due diligence efforts of the Tier 1 suppliers. The results of this data validation contribute to the program’s health assessment and are shared with the suppliers to ensure they understand areas that require clarification or improvement.

All submitted forms are accepted and classified as valid or invalid so that data is retained. Suppliers are contacted regarding invalid forms and are encouraged to submit a valid form. Suppliers are also provided with guidance on how to correct these validation errors in the form of feedback to their CMRT submission, training courses and direct engagement help through Assent Compliances’ multilingual Supplier Experience team. Since some suppliers may remain unresponsive to feedback, LivaNova tracks program gaps to account for future improvement opportunities. As of May 20, 2020, there were 10 invalid or incomplete supplier submissions that could not be corrected. As of May 20, 2020, there were 360 suppliers in scope of the conflict minerals program and 201 provided a completed CMRT. LivaNova’s total response rate for this reporting year was 56%.

Based on the findings through the RCOI process, LivaNova was able to determine the countries of origin for a large portion of the 3TGs in its products. As such, LivaNova continued to perform further due diligence on the source and chain of custody of the minerals in question.

There were some suppliers who were unable to provide smelter or refiner lists and suppliers who could not provide full smelter lists. Accordingly, before conducting an in-depth examination of the smelter information itself, it is important to note that since LivaNova was unable to obtain full smelter information from all in-scope suppliers, LivaNova is unable to confidently state the countries of origin for all 3TGs contained in our products.

4. Due Diligence

4.1 Design of Due Diligence

LivaNova designed its due diligence process to be in conformity, in all material respects, with the due diligence framework of the OECD Due Diligence Guidance and related supplements. The program aligns with the five steps for due diligence that are described by the OECD Guidance and LivaNova continues to evaluate market expectations for data collection and reporting to achieve continuous improvement opportunities.

Due diligence requires LivaNova's necessary reliance on data provided by direct suppliers and third-party audit programs. There is a risk of incomplete or inaccurate data as the process cannot fully be owned by LivaNova. However, through continued outreach and process validation, this aligns with industry standards and market expectations for downstream companies' due diligence.

4.1.1 Establish Strong Company Management and Control Systems

Conflict Minerals Policy

LivaNova has adopted a Conflict Minerals Policy, which is provided in section 2 of this report.

Internal Team and Training

LivaNova has established a management team relating to conflict minerals. In 2019, our management team was overseen by the Senior Vice President of Global Operations and a team of subject matter experts from relevant functions such as, supply chain, operations, finance and legal. The team of subject matter experts is responsible for implementing our conflict minerals compliance strategy and was led by the Vice President of Neuromodulation Operations, who acts as the Conflict Minerals Program Manager. Assent Compliance provided relevant training sessions, and members of the team from Sourcing and Operations participated.

LivaNova leverages Assent Compliance's Managed Services in order to work with dedicated program specialists who support LivaNova's conflict minerals program. LivaNova communicates regularly with the Assent Compliance team to receive updates on program status. Each member of Assent Compliance's Customer Success team is trained in conflict minerals compliance and understands the intricacies of the CMRT and conflict minerals reporting, as well as Section 1502 of the Dodd-Frank Act.

Control Systems

Controls include, but are not limited to, our Code of Business Conduct and Ethics which outlines certain expected behaviors for all employees. In addition, we rely on our direct suppliers to provide information on the origin of the 3TGs contained in components and materials supplied to us, including sources of 3TGs that are supplied to them from lower tier suppliers.

Supplier Engagement

As we do not have a direct relationship with 3TGs smelters and refiners, we are engaged and actively cooperate with other manufacturers in our industry and other sectors. We rely primarily on our Tier 1 direct

suppliers to provide information on the origin of the 3TGs contained in components and materials supplied to us, including sources of 3TGs that are supplied to them from lower tier suppliers.

We have leveraged existing communications within the Company, specifically through our procurement personnel, to encourage supplier interactions with Assent Compliance as well for them to understand the need for completion of the surveys. Feedback from this process has allowed us to enhance, focus, and adapt the training to each user's needs. It has also allowed for our supplier communications to be more focused and ensure expectations are clear.

Grievance Mechanism

LivaNova proactively promotes ethical behavior and encourages employees to report violation of laws, regulations, our Code of Ethics and Business Conduct and our policies and procedures. While we encourage employees to raise issues with their managers, we have also recently introduced a new and improved Ethics and Integrity Helpline where concerns can be reported confidentially and anonymously. All reports received are triaged to ensure timely and effective follow up.

Records Maintenance

We have retained relevant documentation from our RCOI and due diligence process. Through Assent Compliance, a document retention policy to retain conflict minerals related documents, including supplier responses to CMRTs and the sources identified within each reporting period, has been implemented.

4.1.2 Identify and Assess Risk in Our Supply Chain

Because of our size, the complexity of our products, and the depth, breadth, and constant evolution of our supply chain, it is difficult for us to identify actors upstream from our direct suppliers.

As a result of a thorough review of the bill of materials (BOMs) of the products we distributed in 2019, for which we manufactured or contracted out manufacturing, we identified 360 direct suppliers to the company that may provide materials which contain any of the 3TGs. We rely on suppliers whose materials or components contain 3TGs to provide us with information about the source of 3TGs contained in those materials or components. Our direct suppliers similarly rely upon information provided by their suppliers. Many of the largest suppliers either are SEC registrants and subject to the Rule or are suppliers to other SEC registrants that are subject to the Rule.

In accordance with OECD Guidelines, it is important to understand risk levels associated with 3TGs in the supply chain. Smelter(s) or refiner(s) ("SORs") that are not certified as DRC-Conflict Free by third party sources such as the Responsible Minerals Initiative – RMI pose a potential risk. Where a smelter is not identified as Conflict Free, it is assigned a risk rating of High, Medium, or Low. This rating is based on various factors, including the SOR's geographic location, including proximity to the Covered Countries, the SOR's Responsible Minerals Assurance Process – RMAP audit status, and any known or plausible evidence of unethical or conflicting sourcing.

We calculate supplier risk based on the chances that a supplier provides 3TGs that may originate from Non-Conflict Free sources. The value of this risk is calculated based on the risk ratings of the smelters declared by that supplier on their CMRT. Based on the above criteria, the following facilities have been identified as being of highest concern to the supply chain:

Metal	Standard Smelter Name	Smelter Facility Location	Smelter ID
Gold	African Gold Refinery	UGANDA	CID003185
Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE	CID002515
Gold	Kaloti Precious Metals	UNITED ARAB EMIRATES	CID002563
Gold	Sudan Gold Refinery	SUDAN	CID002567
Gold	Tony Goetz NV	BELGIUM	CID002587

When these facilities were reported on a CMRT by one of the suppliers surveyed, risk mitigation activities are initiated. Through our third-party vendor, Assent Compliance, submissions that include any of the above facilities immediately produce a receipt instructing the supplier to take their own risk mitigation actions, including submission of a product specific CMRT to better identify the connection to products that they supply to the Company, and escalating up to removal of these high-risk smelters from their supply chain.

Additionally, suppliers are evaluated on program strength (further assisting in identifying risk in the supply chain). Evaluating and tracking the strength of the program can assist in making key risk mitigation decisions as the program progresses. The criteria used to evaluate the strength of the supplier's program are:

- Do you have a policy in place that includes DRC conflict-free sourcing?
- Have you implemented due diligence measures for conflict-free sourcing?
- Do you review due diligence information received from your suppliers against your company's expectations?
- Do you verify due diligence information received from your suppliers?

When suppliers answer yes, they are deemed to have a strong program. When suppliers do not meet those criteria, they are deemed to have a weak program.

The SORs listed by suppliers in their CMRTs were matched against a database of verified SORs. Verified SORs were matched against available lists of processors that have been certified by internationally-recognized industry validation schemes, such as the RMI's Responsible Minerals Assurance Process – RMAP.

In cases where suppliers and products were associated with certified SORs, they were categorized by the Company as "DRC Conflict Free."

If the SOR was not certified by an internationally-recognized organization, research was conducted to gain more information about the SOR's sourcing practices, including countries of origin and transfer, and whether there were any internal due diligence procedures in place or other processes the SOR had taken to track the chain-of-custody on the source of its mineral ores.

Tracing materials back to their mine of origin is a complex aspect of responsible sourcing in our supply chain. We have determined that seeking information about 3TG SORs in our supply chain represents the most reasonable effort we can make to determine the mines or locations of origin of the 3TGs in our supply chain. This was done by adopting methodology outlined by the RMI's joint industry programs and outreach initiatives and requiring our suppliers to conform with the same standards to meet the OECD Guidelines, and report to us using the CMRT. Through this industry joint effort, we made reasonable determination of the mines or locations of origin of the 3TGs in our supply chain. We also requested that all our suppliers support the initiative by following the

sourcing initiative and working to align their declared sources with the “Known” and “Conflict Free” lists of sourced metals.

4.1.3 Design and Implement a Strategy to Respond to Risks

Together with Assent Compliance, LivaNova developed processes to assess and respond to the risks identified in the supply chain. LivaNova has a risk management plan, through which the conflict minerals program is implemented, managed, and monitored. As the program progresses, escalations are sent to non-responsive suppliers to outline the importance of a response via CMRTs and to outline the required cooperation for compliance to the conflict minerals rules and the Company’s expectations.

Feedback on supplier submissions is given directly to suppliers and educational resources are provided to assist suppliers in corrective action methods or to improve their internal programs. Assent Compliance also communicates directly with smelters that have not yet been determined to be conformant with the RMAP in order to request sourcing information and encourage their involvement with the RMI program.

In cases where suppliers have continuously been non-responsive or are not committed to corrective action plans, LivaNova will assess if replacing that supplier is feasible.

4.1.4 Carry out Independent Third Party Audit of Supply Chain Due Diligence at Identified Points in the Supply Chain

LivaNova does not have a direct relationship with SORs of 3TGs and as a result, LivaNova does not perform direct audits of these entities in its supply chain. LivaNova relies on the efforts of the industry associations that administer independent third-party SOR audit programs and encourages suppliers with more direct relationships with SORs to participate in comparable due diligence validation activities.

4.1.5 Report on Supply Chain Due Diligence

This Conflict Minerals Report is being filed with the SEC as an exhibit to our specialized disclosure report on Form SD and is available on our website at <https://investor.livanova.com/sec-filings>.

5. Due Diligence Results

During our due diligence efforts, members of Assent Compliance and/or members of the LivaNova supply chain team made at least three follow-up inquiries to each “non-responsive” supplier who did not respond to our initial survey, by phone or email. Assent Compliance reviewed the responses against criteria developed to determine which required further engagement with our suppliers. These criteria included incomplete responses as well as inconsistencies within the data reported in the CMRT. Assent Compliance worked directly with those suppliers to provide revised responses.

The large majority of the responses received provided data at the supplier company level or a division/segment level relative to the supplier, rather than at a level directly relating to a part number that the supplier supplies to us, or were otherwise unable to specify the SORs used for components supplied to us. We were therefore unable to determine whether any of the 3TGs that these suppliers reported was contained in components or parts supplied to us are actually in our supply chain.

As noted above, we received 201 responses from our in-scope suppliers as of May 20, 2020. Based on these responses, for all responses that indicated a SOR, our third-party consultant compared the facilities listed to the list of SORs maintained by the RMI. If a supplier indicated that the facility was certified as “Conflict-Free,” Assent Compliance confirmed that the name was listed by RMI as a certified SOR. No violations were identified. As of May 20, 2020, we have validated 305 SORs and we are working to validate the additional SOR entries from the submitted CMRTs. [Appendix A](#) lists all legitimate smelters and refiners that the suppliers we surveyed reported as being in their supply chains. We have not listed in [Appendix A](#) any smelters or refiners that we have not been able to validate. [Appendix B](#) includes an aggregated list of the potential countries of origin from which the reported facilities collectively source conflict minerals, based upon information provided by suppliers and RMI.

Based on the smelter lists provided by suppliers via the CMRTs and publicly available information, we have identified 235 SORs that are certified conflict free smelters by the RMI.

Efforts to Determine Mine or Location of Origin

By requesting our suppliers complete the CMRT, and, as the program progresses, requiring full completion of all necessary smelter identification information which will enable the validation and disclosure of the SORs as well as the tracing of the 3TGs to their location of origin, we have determined that seeking information about 3TGs SORs in our supply chain represents the most reasonable effort we can make to determine the mines or locations of origin of the 3TGs in our supply chain.

Planned Process Improvements

We intend to take the following steps to improve our conflict minerals program:

- Track and add new suppliers, providing components containing 3TG, the conflict minerals program.
- Engage with suppliers and direct them to training resources to attempt to increase the response rate and improve the content of the supplier survey responses.
- Engage any of our suppliers found to be supplying us with 3TG from sources in the DRC or any adjoining country that they cannot demonstrate are “DRC conflict free” to establish an alternative source of 3TG that they can demonstrate are “DRC conflict free”.

Appendix A 2019 Smelter or Refiner (SOR) List

The following smelters and refiners were reported by our suppliers as being in their supply chains. Only those which we were able to be validated as being legitimate are provided. The validation process involves cross-referencing incoming data from our suppliers with the Assent Database, as well as the latest publicly available Responsible Minerals Initiative (RMI) smelter data.

Metal	Standard Smelter Name	Smelter Facility Location	Smelter ID
Gold	8853 S.p.A.	ITALY	CID002763
Gold	Abington Reldan Metals, LLC	UNITED STATES OF AMERICA	CID002708
Gold	Advanced Chemical Company	UNITED STATES OF AMERICA	CID000015
Gold	African Gold Refinery	UGANDA	CID003185
Gold	Aida Chemical Industries Co., Ltd.	JAPAN	CID000019
Gold	Al Etihad Gold Refinery DMCC	UNITED ARAB EMIRATES	CID002560
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.	GERMANY	CID000035
Gold	Almalyk Mining and Metallurgical Complex (AMMC)	UZBEKISTAN	CID000041
Gold	AngloGold Ashanti Corrego do Sitio Mineracao	BRAZIL	CID000058
Gold	Argor-Heraeus S.A.	SWITZERLAND	CID000077
Gold	Asahi Pretec Corp.	JAPAN	CID000082
Gold	Asahi Refining Canada Ltd.	CANADA	CID000924
Gold	Asahi Refining USA Inc.	UNITED STATES OF AMERICA	CID000920
Gold	Asaka Riken Co., Ltd.	JAPAN	CID000090
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.	TURKEY	CID000103
Gold	AU Traders and Refiners	SOUTH AFRICA	CID002850
Gold	Aurubis AG	GERMANY	CID000113
Gold	Bangalore Refinery	INDIA	CID002863
Gold	Bangko Sentral ng Pilipinas (Central Bank of the Philippines)	PHILIPPINES	CID000128
Gold	Boliden AB	SWEDEN	CID000157
Gold	C. Hafner GmbH + Co. KG	GERMANY	CID000176
Gold	C.I Metales Procesados Industriales SAS	COLOMBIA	CID003421
Gold	Caridad	MEXICO	CID000180
Gold	CCR Refinery - Glencore Canada Corporation	CANADA	CID000185
Gold	Cendres + Metaux S.A.	SWITZERLAND	CID000189
Gold	CGR Metalloys Pvt Ltd.	INDIA	CID003382
Gold	Chimet S.p.A.	ITALY	CID000233
Gold	Chugai Mining	JAPAN	CID000264
Gold	Daye Non-Ferrous Metals Mining Ltd.	CHINA	CID000343

Gold	Degussa Sonne / Mond Goldhandel GmbH	GERMANY	CID002867
Gold	Dijllah Gold Refinery FZC	UNITED ARAB EMIRATES	CID003348
Gold	DODUCO Contacts and Refining GmbH	GERMANY	CID000362
Gold	Dowa	JAPAN	CID000401
Gold	DS PRETECH Co., Ltd.	KOREA, REPUBLIC OF	CID003195
Gold	DSC (Do Sung Corporation)	KOREA, REPUBLIC OF	CID000359
Gold	Eco-System Recycling Co., Ltd. East Plant	JAPAN	CID000425
Gold	Eco-System Recycling Co., Ltd. North Plant	JAPAN	CID003424
Gold	Eco-System Recycling Co., Ltd. West Plant	JAPAN	CID003425
Gold	Emirates Gold DMCC	UNITED ARAB EMIRATES	CID002561
Gold	Fidelity Printers and Refiners Ltd.	ZIMBABWE	CID002515
Gold	Fujairah Gold FZC	UNITED ARAB EMIRATES	CID002584
Gold	GCC Gujrat Gold Centre Pvt. Ltd.	INDIA	CID002852
Gold	Geib Refining Corporation	UNITED STATES OF AMERICA	CID002459
Gold	Gold Coast Refinery	GHANA	CID003186
Gold	Gold Refinery of Zijin Mining Group Co., Ltd.	CHINA	CID002243
Gold	Great Wall Precious Metals Co., Ltd. of CBPM	CHINA	CID001909
Gold	Guangdong Jinding Gold Limited	CHINA	CID002312
Gold	Guoda Safina High-Tech Environmental Refinery Co., Ltd.	CHINA	CID000651
Gold	Hangzhou Fuchunjiang Smelting Co., Ltd.	CHINA	CID000671
Gold	Heimerle + Meule GmbH	GERMANY	CID000694
Gold	Heraeus Metals Hong Kong Ltd.	CHINA	CID000707
Gold	Heraeus Precious Metals GmbH & Co. KG	GERMANY	CID000711
Gold	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000767
Gold	Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.	CHINA	CID000773
Gold	HwaSeong CJ CO., LTD.	KOREA, REPUBLIC OF	CID000778
Gold	Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.	CHINA	CID000801
Gold	International Precious Metal Refiners	UNITED ARAB EMIRATES	CID002562
Gold	Ishifuku Metal Industry Co., Ltd.	JAPAN	CID000807
Gold	Istanbul Gold Refinery	TURKEY	CID000814
Gold	Italpreziosi	ITALY	CID002765
Gold	JALAN & Company	INDIA	CID002893
Gold	Japan Mint	JAPAN	CID000823

Gold	Jiangxi Copper Co., Ltd.	CHINA	CID000855
Gold	JSC Ekaterinburg Non-Ferrous Metal Processing Plant	RUSSIAN FEDERATION	CID000927
Gold	JSC Uralelectromed	RUSSIAN FEDERATION	CID000929
Gold	JX Nippon Mining & Metals Co., Ltd.	JAPAN	CID000937
Gold	Kaloti Precious Metals	UNITED ARAB EMIRATES	CID002563
Gold	Kazakhmys Smelting LLC	KAZAKHSTAN	CID000956
Gold	Kazzinc	KAZAKHSTAN	CID000957
Gold	Kennecott Utah Copper LLC	UNITED STATES OF AMERICA	CID000969
Gold	KGHM Polska Miedz Spolka Akcyjna	POLAND	CID002511
Gold	Kojima Chemicals Co., Ltd.	JAPAN	CID000981
Gold	Korea Zinc Co., Ltd.	KOREA, REPUBLIC OF	CID002605
Gold	Kyrgyzaltyn JSC	KYRGYZSTAN	CID001029
Gold	Kyshtym Copper-Electrolytic Plant ZAO	RUSSIAN FEDERATION	CID002865
Gold	L'azurde Company For Jewelry	SAUDI ARABIA	CID001032
Gold	Lingbao Gold Co., Ltd.	CHINA	CID001056
Gold	Lingbao Jinyuan Tonghui Refinery Co., Ltd.	CHINA	CID001058
Gold	L'Orfebvre S.A.	ANDORRA	CID002762
Gold	LS-NIKKO Copper Inc.	KOREA, REPUBLIC OF	CID001078
Gold	LT Metal Ltd.	KOREA, REPUBLIC OF	CID000689
Gold	Luoyang Zijin Yinhuai Gold Refinery Co., Ltd.	CHINA	CID001093
Gold	Marsam Metals	BRAZIL	CID002606
Gold	Materion	UNITED STATES OF AMERICA	CID001113
Gold	Matsuda Sangyo Co., Ltd.	JAPAN	CID001119
Gold	Metalor Technologies (Hong Kong) Ltd.	CHINA	CID001149
Gold	Metalor Technologies (Singapore) Pte., Ltd.	SINGAPORE	CID001152
Gold	Metalor Technologies (Suzhou) Ltd.	CHINA	CID001147
Gold	Metalor Technologies S.A.	SWITZERLAND	CID001153
Gold	Metalor USA Refining Corporation	UNITED STATES OF AMERICA	CID001157
Gold	Metalurgica Met-Mex Penoles S.A. De C.V.	MEXICO	CID001161
Gold	Mitsubishi Materials Corporation	JAPAN	CID001188
Gold	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001193
Gold	MMTC-PAMP India Pvt., Ltd.	INDIA	CID002509
Gold	Modeltech Sdn Bhd	MALAYSIA	CID002857
Gold	Morris and Watson	NEW ZEALAND	CID002282

Gold	Moscow Special Alloys Processing Plant	RUSSIAN FEDERATION	CID001204
Gold	Nadir Metal Rafineri San. Ve Tic. A.S.	TURKEY	CID001220
Gold	Navoi Mining and Metallurgical Combinat	UZBEKISTAN	CID001236
Gold	NH Recytech Company	KOREA, REPUBLIC OF	CID003189
Gold	Nihon Material Co., Ltd.	JAPAN	CID001259
Gold	Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH	AUSTRIA	CID002779
Gold	Ohura Precious Metal Industry Co., Ltd.	JAPAN	CID001325
Gold	OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)	RUSSIAN FEDERATION	CID001326
Gold	OJSC Novosibirsk Refinery	RUSSIAN FEDERATION	CID000493
Gold	PAMP S.A.	SWITZERLAND	CID001352
Gold	Pease & Curren	UNITED STATES OF AMERICA	CID002872
Gold	Penglai Penggang Gold Industry Co., Ltd.	CHINA	CID001362
Gold	Planta Recuperadora de Metales SpA	CHILE	CID002919
Gold	Prioksky Plant of Non-Ferrous Metals	RUSSIAN FEDERATION	CID001386
Gold	PT Aneka Tambang (Persero) Tbk	INDONESIA	CID001397
Gold	PX Precinox S.A.	SWITZERLAND	CID001498
Gold	QG Refining, LLC	UNITED STATES OF AMERICA	CID003324
Gold	Rand Refinery (Pty) Ltd.	SOUTH AFRICA	CID001512
Gold	Refinery of Seemine Gold Co., Ltd.	CHINA	CID000522
Gold	REMONDIS PMR B.V.	NETHERLANDS	CID002582
Gold	Royal Canadian Mint	CANADA	CID001534
Gold	SAAMP	FRANCE	CID002761
Gold	Sabin Metal Corp.	UNITED STATES OF AMERICA	CID001546
Gold	Safimet S.p.A	ITALY	CID002973
Gold	SAFINA A.S.	CZECH REPUBLIC	CID002290
Gold	Sai Refinery	INDIA	CID002853
Gold	Samduck Precious Metals	KOREA, REPUBLIC OF	CID001555
Gold	Samwon Metals Corp.	KOREA, REPUBLIC OF	CID001562
Gold	SAXONIA Edelmetalle GmbH	GERMANY	CID002777
Gold	SEMPSA Joyeria Plateria S.A.	SPAIN	CID001585
Gold	Shandong Humon Smelting Co., Ltd.	CHINA	CID002525
Gold	Shandong Tiancheng Biological Gold Industrial Co., Ltd.	CHINA	CID001619

Gold	Shandong Zhaojin Gold & Silver Refinery Co., Ltd.	CHINA	CID001622
Gold	Sichuan Tianze Precious Metals Co., Ltd.	CHINA	CID001736
Gold	Singway Technology Co., Ltd.	TAIWAN, PROVINCE OF CHINA	CID002516
Gold	SOE Shyolkovsky Factory of Secondary Precious Metals	RUSSIAN FEDERATION	CID001756
Gold	Solar Applied Materials Technology Corp.	TAIWAN, PROVINCE OF CHINA	CID001761
Gold	Sovereign Metals	INDIA	CID003383
Gold	State Research Institute Center for Physical Sciences and Technology	LITHUANIA	CID003153
Gold	Sudan Gold Refinery	SUDAN	CID002567
Gold	Sumitomo Metal Mining Co., Ltd.	JAPAN	CID001798
Gold	SungEel HiMetal Co., Ltd.	KOREA, REPUBLIC OF	CID002918
Gold	T.C.A S.p.A	ITALY	CID002580
Gold	Tanaka Kikinzoku Kogyo K.K.	JAPAN	CID001875
Gold	The Refinery of Shandong Gold Mining Co., Ltd.	CHINA	CID001916
Gold	Tokuriki Honten Co., Ltd.	JAPAN	CID001938
Gold	Tongling Nonferrous Metals Group Co., Ltd.	CHINA	CID001947
Gold	Tony Goetz NV	BELGIUM	CID002587
Gold	TOO Tau-Ken-Altyn	KAZAKHSTAN	CID002615
Gold	Torecom	KOREA, REPUBLIC OF	CID001955
Gold	Umicore Brasil Ltda.	BRAZIL	CID001977
Gold	Umicore Precious Metals Thailand	THAILAND	CID002314
Gold	Umicore S.A. Business Unit Precious Metals Refining	BELGIUM	CID001980
Gold	United Precious Metal Refining, Inc.	UNITED STATES OF AMERICA	CID001993
Gold	Valcambi S.A.	SWITZERLAND	CID002003
Gold	Western Australian Mint (T/a The Perth Mint)	AUSTRALIA	CID002030
Gold	WIELAND Edelmetalle GmbH	GERMANY	CID002778
Gold	Yamakin Co., Ltd.	JAPAN	CID002100
Gold	Yokohama Metal Co., Ltd.	JAPAN	CID002129
Gold	Yunnan Copper Industry Co., Ltd.	CHINA	CID000197
Gold	Zhongyuan Gold Smelter of Zhongjin Gold Corporation	CHINA	CID002224
Tantalum	Asaka Riken Co., Ltd.	JAPAN	CID000092
Tantalum	Changsha South Tantalum Niobium Co., Ltd.	CHINA	CID000211
Tantalum	CP Metals Inc.	UNITED STATES OF AMERICA	CID003402

Tantalum	D Block Metals, LLC	UNITED STATES OF AMERICA	CID002504
Tantalum	Exotech Inc.	UNITED STATES OF AMERICA	CID000456
Tantalum	F&X Electro-Materials Ltd.	CHINA	CID000460
Tantalum	FIR Metals & Resource Ltd.	CHINA	CID002505
Tantalum	Global Advanced Metals Aizu	JAPAN	CID002558
Tantalum	Global Advanced Metals Boyertown	UNITED STATES OF AMERICA	CID002557
Tantalum	Guangdong Zhiyuan New Material Co., Ltd.	CHINA	CID000616
Tantalum	H.C. Starck Co., Ltd.	THAILAND	CID002544
Tantalum	H.C. Starck Hermsdorf GmbH	GERMANY	CID002547
Tantalum	H.C. Starck Inc.	UNITED STATES OF AMERICA	CID002548
Tantalum	H.C. Starck Ltd.	JAPAN	CID002549
Tantalum	H.C. Starck Smelting GmbH & Co. KG	GERMANY	CID002550
Tantalum	H.C. Starck Tantalum and Niobium GmbH	GERMANY	CID002545
Tantalum	Hengyang King Xing Lifeng New Materials Co., Ltd.	CHINA	CID002492
Tantalum	Jiangxi Dinghai Tantalum & Niobium Co., Ltd.	CHINA	CID002512
Tantalum	Jiangxi Tuohong New Raw Material	CHINA	CID002842
Tantalum	JiuJiang JinXin Nonferrous Metals Co., Ltd.	CHINA	CID000914
Tantalum	Jiujiang Tanbre Co., Ltd.	CHINA	CID000917
Tantalum	Jiujiang Zhongao Tantalum & Niobium Co., Ltd.	CHINA	CID002506
Tantalum	KEMET Blue Metals	MEXICO	CID002539
Tantalum	LSM Brasil S.A.	BRAZIL	CID001076
Tantalum	Metallurgical Products India Pvt., Ltd.	INDIA	CID001163
Tantalum	Mineracao Taboca S.A.	BRAZIL	CID001175
Tantalum	Mitsui Mining and Smelting Co., Ltd.	JAPAN	CID001192
Tantalum	Ningxia Orient Tantalum Industry Co., Ltd.	CHINA	CID001277
Tantalum	NPM Silmet AS	ESTONIA	CID001200
Tantalum	PRG Dooel	NORTH MACEDONIA, REPUBLIC OF	CID002847
Tantalum	QuantumClean	UNITED STATES OF AMERICA	CID001508
Tantalum	Resind Industria e Comercio Ltda.	BRAZIL	CID002707
Tantalum	Solikamsk Magnesium Works OAO	RUSSIAN FEDERATION	CID001769
Tantalum	Taki Chemical Co., Ltd.	JAPAN	CID001869
Tantalum	Telex Metals	UNITED STATES OF AMERICA	CID001891

Tantalum	Ulba Metallurgical Plant JSC	KAZAKHSTAN	CID001969
Tantalum	XinXing HaoRong Electronic Material Co., Ltd.	CHINA	CID002508
Tantalum	Yanling Jincheng Tantalum & Niobium Co., Ltd.	CHINA	CID001522
Tin	Alpha	UNITED STATES OF AMERICA	CID000292
Tin	An Vinh Joint Stock Mineral Processing Company	VIETNAM	CID002703
Tin	Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.	CHINA	CID000228
Tin	Chifeng Dajingzi Tin Industry Co., Ltd.	CHINA	CID003190
Tin	China Tin Group Co., Ltd.	CHINA	CID001070
Tin	Dongguan CiEXPO Environmental Engineering Co., Ltd.	CHINA	CID003356
Tin	Dowa	JAPAN	CID000402
Tin	Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Company	VIETNAM	CID002572
Tin	EM Vinto	BOLIVIA (PLURINATIONAL STATE OF)	CID000438
Tin	Estanho de Rondonia S.A.	BRAZIL	CID000448
Tin	Fenix Metals	POLAND	CID000468
Tin	Gejiu City Fuxiang Industry and Trade Co., Ltd.	CHINA	CID003410
Tin	Gejiu Kai Meng Industry and Trade LLC	CHINA	CID000942
Tin	Gejiu Non-Ferrous Metal Processing Co., Ltd.	CHINA	CID000538
Tin	Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.	CHINA	CID001908
Tin	Gejiu Zili Mining And Metallurgy Co., Ltd.	CHINA	CID000555
Tin	Guangdong Hanhe Non-Ferrous Metal Co., Ltd.	CHINA	CID003116
Tin	Guanyang Guida Nonferrous Metal Smelting Plant	CHINA	CID002849
Tin	HuiChang Hill Tin Industry Co., Ltd.	CHINA	CID002844
Tin	Huichang Jinshunda Tin Co., Ltd.	CHINA	CID000760
Tin	Jiangxi New Nanshan Technology Ltd.	CHINA	CID001231
Tin	Luna Smelter, Ltd.	RWANDA	CID003387
Tin	Ma'anshan Weitai Tin Co., Ltd.	CHINA	CID003379
Tin	Magnu's Mineraiis Metais e Ligas Ltda.	BRAZIL	CID002468
Tin	Malaysia Smelting Corporation (MSC)	MALAYSIA	CID001105
Tin	Melt Metais e Ligas S.A.	BRAZIL	CID002500
Tin	Metallic Resources, Inc.	UNITED STATES OF AMERICA	CID001142
Tin	Metallo Belgium N.V.	BELGIUM	CID002773
Tin	Metallo Spain S.L.U.	SPAIN	CID002774

Tin	Mineracao Taboca S.A.	BRAZIL	CID001173
Tin	Minsur	PERU	CID001182
Tin	Mitsubishi Materials Corporation	JAPAN	CID001191
Tin	Modeltech Sdn Bhd	MALAYSIA	CID002858
Tin	Nghe Tinh Non-Ferrous Metals Joint Stock Company	VIETNAM	CID002573
Tin	O.M. Manufacturing (Thailand) Co., Ltd.	THAILAND	CID001314
Tin	O.M. Manufacturing Philippines, Inc.	PHILIPPINES	CID002517
Tin	Operaciones Metalurgicas S.A.	BOLIVIA (PLURINATIONAL STATE OF)	CID001337
Tin	Pongpipat Company Limited	MYANMAR	CID003208
Tin	Precious Minerals and Smelting Limited	INDIA	CID003409
Tin	PT Artha Cipta Langgeng	INDONESIA	CID001399
Tin	PT ATD Makmur Mandiri Jaya	INDONESIA	CID002503
Tin	PT Menara Cipta Mulia	INDONESIA	CID002835
Tin	PT Mitra Stania Prima	INDONESIA	CID001453
Tin	PT Refined Bangka Tin	INDONESIA	CID001460
Tin	PT Timah Tbk Kundur	INDONESIA	CID001477
Tin	PT Timah Tbk Mentok	INDONESIA	CID001482
Tin	Resind Industria e Comercio Ltda.	BRAZIL	CID002706
Tin	Rui Da Hung	TAIWAN, PROVINCE OF CHINA	CID001539
Tin	Soft Metais Ltda.	BRAZIL	CID001758
Tin	Super Ligas	BRAZIL	CID002756
Tin	Thai Nguyen Mining and Metallurgy Co., Ltd.	VIETNAM	CID002834
Tin	Thaisarco	THAILAND	CID001898
Tin	Tin Technology & Refining	UNITED STATES OF AMERICA	CID003325
Tin	Tuyen Quang Non-Ferrous Metals Joint Stock Company	VIETNAM	CID002574
Tin	White Solder Metalurgia e Mineracao Ltda.	BRAZIL	CID002036
Tin	Yunnan Chengfeng Non-ferrous Metals Co., Ltd.	CHINA	CID002158
Tin	Yunnan Tin Company Limited	CHINA	CID002180
Tin	Yunnan Yunfan Non-ferrous Metals Co., Ltd.	CHINA	CID003397
Tungsten	A.L.M.T. Corp.	JAPAN	CID000004
Tungsten	ACL Metais Eireli	BRAZIL	CID002833
Tungsten	Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.	BRAZIL	CID003427

Tungsten	Asia Tungsten Products Vietnam Ltd.	VIETNAM	CID002502
Tungsten	Chenzhou Diamond Tungsten Products Co., Ltd.	CHINA	CID002513
Tungsten	China Molybdenum Co., Ltd.	CHINA	CID002641
Tungsten	Chongyi Zhangyuan Tungsten Co., Ltd.	CHINA	CID000258
Tungsten	CNMC (Guangxi) PGMA Co., Ltd.	CHINA	CID000281
Tungsten	CP Metals Inc.	UNITED STATES OF AMERICA	CID003448
Tungsten	Fujian Ganmin RareMetal Co., Ltd.	CHINA	CID003401
Tungsten	Fujian Jinxin Tungsten Co., Ltd.	CHINA	CID000499
Tungsten	Ganzhou Haichuang Tungsten Co., Ltd.	CHINA	CID002645
Tungsten	Ganzhou Huaxing Tungsten Products Co., Ltd.	CHINA	CID000875
Tungsten	Ganzhou Jiangwu Ferrotungsten Co., Ltd.	CHINA	CID002315
Tungsten	Ganzhou Seadragon W & Mo Co., Ltd.	CHINA	CID002494
Tungsten	GEM Co., Ltd.	CHINA	CID003417
Tungsten	Global Tungsten & Powders Corp.	UNITED STATES OF AMERICA	CID000568
Tungsten	Guangdong Xianglu Tungsten Co., Ltd.	CHINA	CID000218
Tungsten	H.C. Starck Smelting GmbH & Co. KG	GERMANY	CID002542
Tungsten	H.C. Starck Tungsten GmbH	GERMANY	CID002541
Tungsten	Hunan Chenzhou Mining Co., Ltd.	CHINA	CID000766
Tungsten	Hunan Chuangda Vanadium Tungsten Co., Ltd. Wuji	CHINA	CID002579
Tungsten	Hunan Chunchang Nonferrous Metals Co., Ltd.	CHINA	CID000769
Tungsten	Hunan Litian Tungsten Industry Co., Ltd.	CHINA	CID003182
Tungsten	Hydrometallurg, JSC	RUSSIAN FEDERATION	CID002649
Tungsten	Japan New Metals Co., Ltd.	JAPAN	CID000825
Tungsten	Jiangwu H.C. Starck Tungsten Products Co., Ltd.	CHINA	CID002551
Tungsten	Jiangxi Gan Bei Tungsten Co., Ltd.	CHINA	CID002321
Tungsten	Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.	CHINA	CID002313
Tungsten	Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.	CHINA	CID002318
Tungsten	Jiangxi Xianglu Tungsten Co., Ltd.	CHINA	CID002647
Tungsten	Jiangxi Xinsheng Tungsten Industry Co., Ltd.	CHINA	CID002317
Tungsten	Jiangxi Yaosheng Tungsten Co., Ltd.	CHINA	CID002316
Tungsten	JSC "Kirovgrad Hard Alloys Plant"	RUSSIAN FEDERATION	CID003408
Tungsten	Kennametal Fallon	UNITED STATES OF AMERICA	CID000966
Tungsten	Kennametal Huntsville	UNITED STATES OF AMERICA	CID000105

Tungsten	KGETS Co., Ltd.	KOREA, REPUBLIC OF	CID003388
Tungsten	Lianyou Metals Co., Ltd.	TAIWAN, PROVINCE OF CHINA	CID003407
Tungsten	Malipo Haiyu Tungsten Co., Ltd.	CHINA	CID002319
Tungsten	Masan Tungsten Chemical LLC (MTC)	VIETNAM	CID002543
Tungsten	Moliren Ltd.	RUSSIAN FEDERATION	CID002845
Tungsten	Niagara Refining LLC	UNITED STATES OF AMERICA	CID002589
Tungsten	NPP Tyazhmetprom LLC	RUSSIAN FEDERATION	CID003416
Tungsten	Philippine Chuangxin Industrial Co., Inc.	PHILIPPINES	CID002827
Tungsten	Tejing (Vietnam) Tungsten Co., Ltd.	VIETNAM	CID001889
Tungsten	Unecha Refractory metals plant	RUSSIAN FEDERATION	CID002724
Tungsten	Wolfram Bergbau und Hutten AG	AUSTRIA	CID002044
Tungsten	Woltech Korea Co., Ltd.	KOREA, REPUBLIC OF	CID002843
Tungsten	Xiamen Tungsten (H.C.) Co., Ltd.	CHINA	CID002320
Tungsten	Xiamen Tungsten Co., Ltd.	CHINA	CID002082
Tungsten	Xinfeng Huarui Tungsten & Molybdenum New Material Co., Ltd.	CHINA	CID002830
Tungsten	Xinhai Rendan Shaoguan Tungsten Co., Ltd.	CHINA	CID002095

Appendix B 2019 Countries of Origin List

This list of potential countries of origin is populated based on publicly available information, our RCOI and due diligence. It is important to note that this is also based on company level responses and therefore, it is not certain which of these countries of origin can be linked to our products.

Country of Origin List	Country of Origin List	Country of Origin List	Country of Origin List
Afghanistan	Ecuador	Lithuania	Saudi Arabia
Albania	Egypt	Luxembourg	Sierra Leone
Angola	England	Madagascar	Singapore
Argentina	Estonia	Malaysia	Slovakia
Armenia	Ethiopia	Mali	Slovenia
Australia	Finland	Mauritania	South Africa
Austria	France	Mexico	Spain
Belarus	Germany	Mongolia	Sudan
Belgium	Ghana	Morocco	Suri
Bermuda	Guinea	Mozambique	Suriname
Bolivia	Guyana	Myanmar	Sweden
Brazil	Hungary	Namibia	Switzerland
Bulgaria	India	Netherlands	Tanzania
Burundi	Indonesia	New Zealand	Thailand
Cambodia	Ireland	Niger	Turkey
Canada	Israel	Nigeria	Uganda
Central African Republic	Italy	Papua New Guinea	United Arab Emirates
Chile	Ivory Coast	Peru	United Kingdom
China	Japan	Philippines	USA
Colombia	Kazakhstan	Poland	Uzbekistan
Czech Republic	Kenya	Portugal	Vietnam
Djibouti	Kyrgyzstan	Republic of Korea	Zambia
Dominican Republic	Laos	Russia	Zimbabwe
DRC (Covered Countries)	Liberia	Rwanda	