

**BORSA ISTANBUL A.S. LIST OF REFINERIES; BARS, INGOTS AND GRANULES OF WHICH CAN BE TRADED
IN THE PRECIOUS METALS AND PRECIOUS STONES MARKET**

GOLD REFINERIES (REFINERIES ALSO INCLUDED IN LBMA GOOD DELIVERY LIST)

USA

Asahi Refining USA Inc.
Kennecott Utah Copper LLC
Metalor USA Refining Corp.

Germany

Allgemeine Gold- und Silberscheideanstalt AG
Aurubis AG
C. Hafner GmbH + Co. KG
Heimerle + Meule GmbH

Australia

ABC Refinery (Australia) Pty Ltd
Western Australian Mint (T/A The Perth Mint)

Belgium

Umicore SA Business Unit Precious Metals Refining

Brasil

AngloGold Ashanti Mineração Ltda

China

Daye Nonferrous Metals Co., Ltd
Dongwu Gold Group Co., Ltd
Great Wall Precious Metals Co., LTD. of CBPM
Shenzen Cuilu Gold Refinery Co., Ltd
Inner Mongolia Qiankun Gold and Silver Refinery Share Company Ltd
Jiangxi Copper Company Ltd
Shandong Gold Smelting Co., Ltd
Shandong Zhaojin Gold and Silver Refinery Co. Ltd
Sichuan Tianze Precious Metals Co., Ltd
Zhongyuan Gold Smelter of Zhongjin Gold Corporation
Zijin Mining Group Co. Ltd
Metalor Precious Metals (Suzhou) Limited

Indonesia

PT Aneka Tambang (Persero) Tbk (Logam Mulia)

Philippines

Bangko Sentral ng Pilipinas (Central Bank of the Philippines)

South Africa

Rand Refinery (Pty) Ltd

South Korea

LS Nikko Copper Inc

India

MMTC-PAMP India Pvt. Ltd

Hong Kong

Heraeus Ltd Hong Kong
Metalor Technologies (Hong Kong) Ltd

Spain
Semspa Joyeria Plateria SA
Sweden
Boliden Commercial AB
Switzerland
Argor-Heraeus SA
Metalor Technologies SA
Pamp SA
PX Précinox SA
Valcambi S.A.
Italy
Chimet S.p.A.
T.C.A S.p.A
Italpreziosi S.p. A
Japan
Asahi Pretec Corp
Ishifuku Metal Industry Co Ltd
Japan Mint
JX Nippon Mining & Metals Co., Ltd
Matsuda Sangyo Co., Ltd
Mitsubishi Materials Corp.
Mitsui Mining & Smelting Co., Ltd
Nihon Material Co., Ltd
Sumitomo Metal Mining Co., Ltd
Tanaka Kikinzoku Kogyo K.K.
Tokuriki Honten Co., Ltd
Canada
Asahi Refining Canada Limited
CCR Refinery - Glencore Canada Corporation
Royal Canadian Mint
Kazakhstan
Kazzinc Ltd
Tau-Ken Altyn (TKA)
Mexico
Metalúrgica Met-Mex Peñoles, S.A. DE C.V.
Uzbekistan
Almalyk Mining and Metallurgical Complex (AMMC)
Navoi Mining and Metallurgical Combinat (NMMC)
Russia
JSC Novosibirsk Refinery
JSC Uralelectromed
Moscow Special Alloys Processing Plant
JSC Krastsvetmet
Prioksky Plant of Non-Ferrous Metals
SOE Shyolkovsky Factory of Secondary Precious Metals
Singapore

Metalor Technologies Singapore Pte Ltd
Taiwan
Solar Applied Materials Technology Corp.
Turkey
İstanbul Altın Rafinerisi A.Ş. (İstanbul Gold Refinery)
Nadir Metal Rafineri San. ve Tic. A.Ş.

GOLD REFINERIES (REFINERIES NOT INCLUDED IN LBMA GOOD DELIVERY LIST)
Turkey
Ahlatcı Metal Rafineri A.Ş.
Atasay Kuyumculuk Sanayi ve Ticaret A.Ş.
Onsa Rafineri A.Ş.
İsgold Altın Rafinerisi A.Ş.

SILVER REFINERIES (REFINERIES ALSO INCLUDED IN LBMA GOOD DELIVERY LIST)**USA**

Asahi Refining USA Inc.

Kennecott Utah Copper Corp.

Metalor USA Refining Corp.

Germany

Allgemeine Gold- und Silberscheideanstalt AG

Aurubis AG

Doduco GmbH

Heraeus Deutschland GmbH & Co. KG

Australia

Western Australian Mint (T/a The Perth Mint)

Belgium

Umicore SA, Business Unit, Precious Metals

China

Chenzhou City Jingui Silver Industry Co., Ltd

Daye Nonferrous Metals Company

Great Wall Precious Metals Co., LTD. of CBPM

Guangdong Jinye Precious Metals Co., Ltd

Henan Jinli Gold and Lead Group Co., Ltd

Henan Yuguang Gold and Lead Company Ltd

Hunan Guiyang Yinxing Nonferrous Metals Smelting Co Ltd

Hunan Huaxin Rare & Precious Metals Technologies Co., Ltd

Hunan Shuikoushan Nonferrous Metals Group Co Ltd (SKS)

Hunan Yuteng Nonferrous Metals Co., Ltd

Inner Mongolia Qiankun Gold and Silver Refinery Share Company Ltd

Jiangxi Copper Company Ltd

Jinlong Copper Co., Ltd

Jiyuan Wanyang Smeltery Group Co., Ltd

Shandong Gold Smelting Co.,Ltd

Shandong Humon Smelting Co Ltd

Shandong Zhaojin Gold and Silver Refinery Co. Ltd

Sichuan Tianze Precious Metals Co., Ltd

Yanggu Xiangguang Copper Co., Ltd

Yunnan Chihong Zinc & Germanium Co. Ltd

Yunnan Copper Co Ltd

Zijin Copper Co., Ltd

South Africa

Rand Refinery (Pty) Ltd

South Korea

Korea Zinc Co., Ltd

LS Nikko Copper Inc

India

Hindustan Platinum Pvt. Ltd.

Hindustan Zinc Ltd

MMTC-PAMP India Pvt. Ltd
Netherlands
Remondis PMR B.V
Hong Kong
Heraeus Ltd Hong Kong
UK
Britannia Refined Metals Ltd
JBR Recovery Ltd
Spain
Semspa Joyeria Plateria SA
Sweden
Boliden Commercial AB
Switzerland
Argor-Heraeus SA
Metalor Technologies SA
PAMP SA
Valcambi S.A.
Italy
Chimet S.p.A.
Porto Vesme s.r.l
TCA S.p.A
Japan
Asahi Pretec Corp
Dowa Metals & Mining Co Ltd
Ishifuku Metal Industry Co Ltd
Japan Mint
JX Nippon Mining & Metals Co., Ltd
Matsuda Sangyo Co Ltd
Mitsubishi Materials Corp.
Mitsui Mining & Smelting Co., Ltd - Kamioka
Mitsui Mining & Smelting Co., Ltd - Takehara
Sumitomo Metal Mining Co., Ltd.
Tanaka Kikinzoku Kogyo K.K.
Toho Zinc Co., Ltd
Tokuriki Honten & Co Ltd
Canada
Asahi Refining Canada Limited
CCR Refinery - Glencore Canada Corporation
Royal Canadian Mint
Teck Metals Ltd
Kazakhstan
Kazakhmys Smelting LLC - Balkhash Metallurgical Complex
KazZinc Ltd
Mexico
METALÚRGICA MET-MEX PEÑÓLES, S.A. DE C.V
Uzbekistan

Almalyk Mining and Metallurgical Complex
Poland
KGHM Polska Miedz SA
Russia
JSC Novosibirsk Refinery
JSC Uralelectromed
JSC Krastsvetmet
Prioksky Plant of Non-Ferrous Metals
Shyolkovsky Factory of Secondary Precious Metals, SOE
Thailand
Umicore Precious Metals (Thailand) Ltd
Taiwan
Solar Applied Materials Technology Corp.
Turkey
Nadir Metal Rafineri San. ve Tic. A.Ş.

SILVER REFINIRIES (REFINIRIES NOT INCLUDED IN LBMA GOOD DELIVERY LIST)

Turkey
Ahlatcı Metal Rafineri A.Ş.
Eti Gümüş A.Ş.
İstanbul Altın Rafinerisi A.Ş.
Onsa Mücevherat İmalatı ve Dış Ticaret A.Ş.

PLATINUM REFINERIES**USA**

BASF Corporation
Heraeus Precious Metals North America LLC
Johnson Matthey Inc.
Sabin Metal Corporation

Germany

Heraeus Deutschland GmbH & Co. KG
SAXONIA Edelmetalle GmbH
C. HAFNER GmbH and Co. KG

South Africa

Heraeus South Africa (Pty) Ltd.
Impala Platinum Limited
Rustenburg Platinum Mines Limited
Sibanye-Stillwater / Western Platinum Limited

India

Hindustan Platinum Pvt. Ltd.

Hong Kong

Heraeus Limited

UK

Johnson Matthey plc

Switzerland

Argor-Heraeus SA
Metalor Technologies SA
PAMP SA
Valcambi SA

Italy

Chimet SpA

Japan

Aida Chemical Industries Co. Ltd.
Asahi Pretec Corp.
Furuya Metal Co Ltd of Japan
Ishifuku Metal Industry Co. Limited
Materials Eco-Refining Co., Ltd.
Matsuda Sangyo Co. Limited
Nihon Material Co., Ltd.
Tanaka Kikinzoku Kogyo K.K.
Tokuriki Honten Co. Limited

South Korea

Heasung PM Tech Corp

Russia

Joint Stock Company <The Gulidov Krasnoyarsk Non-Ferrous Metals Plant>
Prioksky Plant of Non-Ferrous Metals

Taiwan

Solar Applied Materials Technology Corp.

PALLADIUM REFINERIES**USA**

BASF Corporation

Heraeus Precious Metals North America LLC

Johnson Matthey Inc.

Sabin Metal Corporation

Germany

Heraeus Deutschland GmbH & Co. KG

SAXONIA Edelmetalle GmbH

South Africa

Heraeus South Africa (Pty) Ltd.

Rustenburg Platinum Mines Limited

Impala Platinum Limited

Sibanye-Stillwater / Western Platinum (PTY) Limited

South Korea

Heasung PM Tech Corp

India

Hindustan Platinum Pvt. Ltd.

Hong Kong

Heraeus Limited

UK

Johnson Matthey plc

Switzerland

Argor-Heraeus SA

Metalor Technologies SA

PAMP SA

Valcambi SA

Italy

Chimet S.p.A.

Japan

Aida Chemical Industries Co. Ltd.

Asahi Pretec Corp.

Furuya Metal Co. Ltd.

Ishifuku Metal Industry Co. Limited

Materials Eco-Refining Co., Ltd.

Matsuda Sangyo Co. Limited

Nihon Material Co., Ltd.

Tanaka Kikinzoku Kogyo K.K.

Tokuriki Honten Co. Limited

South Korea

Heasung PM Tech Corp

Russia

Joint Stock Company <The Gulidov Krasnoyarsk Non-Ferrous Metals Plant>

Prioksky Plant of Non-Ferrous Metals

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Warning as per contract with LBMA

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