



NON FERROUS COMMODITIES

Pure Metals | Precious Metals | Ores & Concentrates | Alloys | Spent Catalysts
Non Ferrous | Scrap | Dross | Black Mass

Inspection, Testing & Analysis Services

85 years of experience. expertise & service



LME listed Sampler & Assayer (LSA)
Exclusive Assayer for India

Mitra S.K. Third Party Inspection, Quality Testing & Analysis, Certification Agency

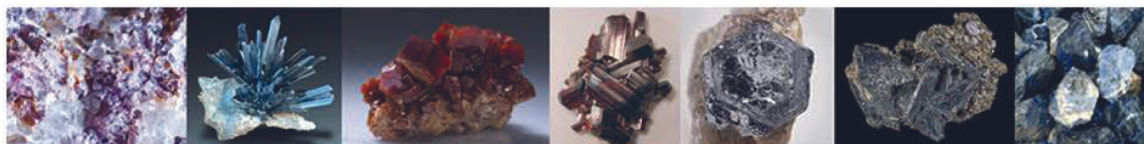
MSK is a leading Independent Inspection, Testing and Certification Expert, with a global network of offices and laboratories in 27 countries across 5 continents, with headquarters in Kolkata, India.

More than 80 years of experience and commitment to quality and accuracy, notch MSK as a reliable Quality Assurance Partner for more than 50 key industrial sectors and a wide range of commodities. It is an agile, technology driven and IT enabled company with a proven track record. With over 2500 strong workforce globally, MSK is a people-centric organization that prides in its human capital.

With global and country-specific accreditations, memberships and recognitions, MSK has specialized and trained personnel and state-of-the-art infrastructure, strict and rigorous procedures for sample collection to ensure precision of results at every port, siding, wharf, industrial unit, mines or any nominated site.



Commodities Serviced



Pure Metals

High Grade Primary Aluminium
High Purity Tin
Special High Grade Zinc (INGOTS)
Standard Lead
Primary Nickel
High Purity Copper (BLISTER/CATHODE)
High Purity Cobalt

Precious Metals

Platinum
Palladium
Gold
Silver
Ruthenium
Rhodium
Iridium

Minerales y concentrados

Zinc/ Concentrados/ Sulfuros
Minerales de Plomo / Concentrados/ Sulfuros
Minerales de cobre/ Concentrados/ Sulfuros
Minerales de níquel/ Concentrados/ Sulfuros
Minerales/concentrados de cobalto
Minerales de estaño (casseteritas) / Concentrados/Sulfuros

Alloys

Brass (Copper + Zinc)
Bronze (Copper + Tin)
Lead Base White Metals
Tin Base White Metals



Other Commodities

NF Scrap | Dross | Spent Catalyst | Black Mass

Scope of Work

Inspection & Quality Control:

- WSMO
- Sampling
- Sample Preparation
- TML Certification
- Online Surveillance

Supervision:

- Hatch Cleaning Inspection
- Cargo Loading/ Discharge
- Cargo conditions

Process Automation:

- Automated Sampling System
- Integrated Sample Preparation System

Quantity Survey:

- Draft Survey
- Weighment
- Volumetric Assessment

Quantity Survey:

- Chemical
- Physical
- Microbiological



LME accredited Mitra S.K. Laboratory

Non Ferrous concentrates, ores, metals alloys and precious metals are analysed in the LME accredited Mitra S. K. Laboratory, one of the very few LME accredited laboratories in the world and a

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Non Ferrous Commodities- Testing & Analysis Equipment

Microwave Digester

ICP-OES

ICP MS

Mercury Analyzer

Fire Assay set up with Pit type furnace, cupellation furnace and high temperature annealing furnace

6-digit Balance

Ion Selective Electrode

X Ray Fluorescence Spectrophotometer

Powder X Ray Diffractometer

Flame Photometer

CS Analyzer



With a fully functional crushing shed/ sample preparation facility for ores, alloys and solid fuels.

