

SGS LABORATORY SERVICES IN LIBERIA

SERVICES FOR IRON ORE EXPLORATION

SGS Minerals Services provides support to its clients both as a strategic partner and technical adviser. Through our global network of operations and laboratories, we deliver a broad spectrum of independent quality and quantification services including geochemical analysis, resource calculation, mineralogy, metallurgy, advanced systems, water treatment and trade services.

WHY LIBERIA?

Our multi-purpose laboratory in Monrovia is strategically located to service the growing needs of the iron ore industry in West Africa as it emerges as a key region of iron ore activity. In particular, Liberia's government is actively seeking investments to redevelop the vast iron ore deposits in the country. Liberia also hosts a wide variety of other mineral deposits. SGS is committed to providing our expertise where you need it most and have placed comprehensive iron ore expertise in this facility.

SGS Minerals Services has a unique base of expertise and experience which is available from our worldwide network. The Monrovia laboratory complements our unparalleled network of over 150 commercial labs, mobile and fixed sample preparation facilities and mine-site labs globally, many of which have been successfully audited to the ISO/IEC 17025 standard.

SERVICES

SGS maintains the highest standards of quality and procedural excellence to ensure your data is accurate, repeatable and timely. All our geochemical laboratories worldwide have standardized sample preparation techniques, methods and method codes. This means the same methods are performed at each of our laboratories worldwide where available. In this way, your data is comparable from region to region.



In addition to geochemical analysis, this facility is also equipped to be a regional centre of excellence for iron ore metallurgical testing. To service iron ore, we provide a comprehensive range of bench-scale metallurgical testwork services.

Our services and methods include:

- Sample preparation for iron ore, gold and base metals
- X-ray fluorescence (XRF) analyses for iron ores
- Thermogravimetry analysis (TGA) for iron ores
- Physical mineral separation
 - Davis tube testing for iron ore
 - Satmagan analysis for iron ore
- Screening and particle size analysis for iron ores
- Classical titration methods for iron ores

EQUIPMENT

Our fully-equipped laboratory utilizes the following instruments:

- Rocklabs Boyd RSD Combo crusher and automatic rotary sample divider
- FLS ESSA LM2 pulverizing mills
- Axios Fast Pan Analytical Type: PW 2540 simultaneous XRF
- Leco TGA 701
- ERIZ DAV15 Davis tube
- RapidScan system 135 Satmagan
- Rotap screen shaker
- Multipour fire assay AAS
- Leco analyser for C and S

MOBILE METAL ION (MMI™) CAPABILITY

MMI™ is a world-renowned tool proven to find buried mineral deposits and SGS is the owner and sole provider of MMI™ Technology. We are the market leaders in providing a weak extraction of the mobile forms of the ions residing in near surface soils. The Monrovia laboratory can prepare and ship your MMI™ soil samples to one of SGS's three approved MMI™ labs globally.

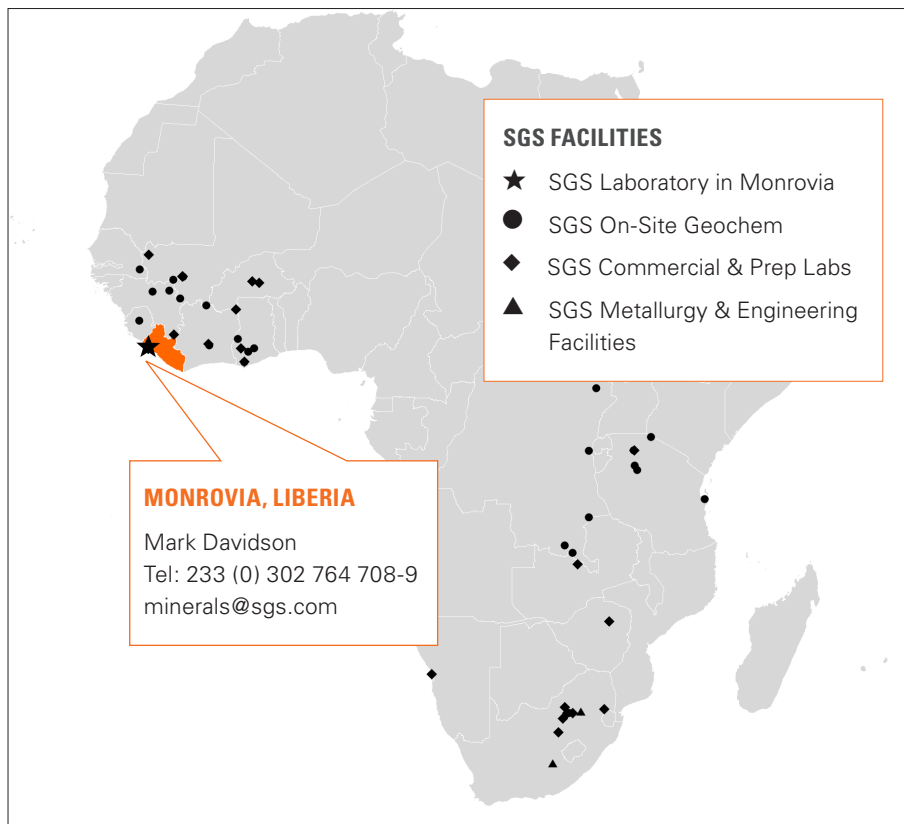
ON-SITE AND MOBILE LABORATORIES

SGS has unparalleled expertise in the industry with over 150 geochemical laboratories in operation. An SGS-designed, staffed and operated on-site laboratory will ensure that you have at your disposal a full scope of capabilities for the fast turn-around of accurate, reliable data.

SGS also offers mobile sample preparation units (MSPU), allowing you to access trusted, third party sample preparation services in locations that might not otherwise support laboratory facilities. SGS MSPU laboratories are safe, efficient, well staffed and operationally stable, giving you a competitive edge.

OUR COMMITMENT TO QUALITY

SGS is committed to providing a consistent level of quality service and customer satisfaction that sets the industry benchmark in any location, urban or remote. We use industry-standard equipment and methods which are suitably validated and based on internationally recognized protocols. Not all analytical problems can be solved with routine methodology and we invite you contact us in such cases. SGS has an extensive global network of over 150 commercial, on-site and mobile geochemistry laboratories and many operate with ISO/IEC 17025 scopes of accreditation or are in the process of becoming accredited to this standard.



OUR COMMITMENT TO YOU

SGS is the market leader when it comes to supplying geochemical analysis to the mining industry. Our network of over 150 commercial labs, sample preparation facilities and mine-site labs link to form a global platform that extends into an unmatched number of countries and mining camps. All of our facilities operate in accordance with global quality standards, internationally recognized methods and proficiency programs that include benchmark comparisons with external labs. We are committed to offering you the locations, technical strength and consistency of quality and service you need.

CONTACT INFORMATION

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WHEN YOU NEED TO BE SURE