

Accredited under ISO/IEC Guide 17025 standards.
All testing performed in accordance with ASTM, EPA, API
and other applicable methods.



CLARK
Laboratories, LLC

A Division of Clark Testing Group

Clark Laboratories Analytical Chemistry Lab



Clark Labs Analytical Chemistry Laboratory specializes in routine analysis and comprehensive investigative chemical testing for the steel and related industries. Equipped with advanced instrumentation, the Analytical Chemistry Lab ensures high quality performance through analytical expertise, documented test procedures, and stringent quality assurance standards.



Analytical Chemistry Lab



Clark Labs is currently accredited under ISO/IEC Guide 17025 standards. All testing is performed in accordance with ASTM, EPA, API or other approved applicable methods. Additionally, we have experience utilizing chemical techniques to develop new methods.

Inorganic

- Alloy Analysis XRF/ICP
- Coal Ash XRF
- Coating Composition ICP/AA
- Metal Fines on Sheet ICP
- Metal Oxides XRF/ICP/AA
- Metallic Soaps on Sheet ICP
- Metals OE/XRF/ICP/AA
- Slag/Refractory/Ore/XRF
- Surface Cleanliness
- TCLP 8 Metals SW846 1311
- Ion Chromatography
- C, S, O, N by Combustion
- Forms of Carbon LECO
- Phase Identification XRD
- TCLP 8 Metals SW846 1311

Organic

- BETX
- Dynamic Headspace GC/MS
- FTIR Analysis
- Gas Chromatography/
Mass Spectrometry
- GC/MS Semi-Volatile Scan
- GC/MS Volatile Scan
- HPLC
- Oil Film Weight
- Pyrolysis GC/MS
- Total PCBs

Sample Presentation

- Metals Sample Prep
- Powerwashing
- Raw Materials Sample Prep
- Sandblasting
- Shearing
- Sieve Analysis
- Sizing

Wet Chemistry

- Acidity
- Alkalinity
- Ammonia
- Cyanide
- Forms of Sulfur
- Forms of Iron
- Loss on Ignition
- Moisture Determination
- Oil and Grease Extraction
- Oil Film Weight, Iron Fines
and Soaps
- Total Suspended Solids
- PCA Determination
- Percent Solids
- pH
- Reactivity
- Steel Coating Analysis
- Total Dissolved Solids
- Total Suspended Solids
- Trace Chlorine

Speciality Testing

- Hydrogen-Induced Cracking Test
- Macro Etch
- NACE 3 point bend beam
- NACE 4 point bend beam
- NACE Double Cantilever Beam Test
- NACE Tensile
- Particle Size
- Sulfur Print

Testing Services

Clark Labs Analytical Chemistry Laboratory routinely analyzes ferrous and nonferrous metals, metallic and organic coatings, process solutions, process oil gases, and surface cleanliness of steel. Other capabilities include analysis of raw materials and by-products such as steel additives, fluxes, ceramics, refractory, slag, lime, pellets, scrap, bag house dust, coal and coke, as well as other industrial materials for composition and/or contamination.



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