



*McCraith Labs*

# LABORATORY SAMPLING INSPECTIONS

Measured **REAL** Testing.  
**RESULTS.**

[www.McCreathLabs.com](http://www.McCreathLabs.com)

# McCreath Locations Capabilities

All locations offer field services. Harrisburg and Gary have lab capabilities.

Harrisburg, PA – main lab & corporate office  
Baltimore, MD  
New Orleans, LA  
Gary, IN – instrumental lab for Coal/Coke/Petcoke  
Toledo, OH  
Sandusky, OH  
Ghent, KY  
Pittsburgh, PA (Eastern Ohio) – partnership with Metal Spec, LLC. Metal Spec has induction furnaces that melt scrap as part of our scrap testing program

## Harrisburg Lab Standard Capabilities

Classical wet chemistry techniques

- » Endpoint titrations
- » Equivalence point titrations
- » Gravimetric analysis
- » Ion Exchange Chromatography

Latest instrumental technology

- » Metrohm Titrando Automatic Titrator (2)
- » Thermo ICP-OES (2)
- » Thermo ICP-MS
- » PANalytical Axios WDXRF
- » LECO CS 744
- » LECO TC 600
- » LECO AC 500
- » LECO TGA 701
- » LECO AMA 254 Mercury Analyzer
- » LECO CHN 828
- » LECO S832
- » Vanta EDXRF (portable hand held unit)

Physical testing

- » Sieve analysis – particle size determination
- » Iron ore pellet drum
- » Hargrove Grindability

## Field Location Capability

Sampling of ores, alloys, minerals, scraps, coal, coke and petcoke

On-site sieve analysis down to ¼" – particle size determination

On-site bulk density determination

On-site gross sample preparation

Survey of barges for determination of loaded weight

Inspections at warehouses and user locations.

Stockpile survey to determine weight

## Gary, IN Lab Standard Capabilities

Instrumental lab

- » LECO TGA 701 (2)
- » LECO SC 632
- » LECO S632
- » Parr 6200 Calorimeter (2)

Physical Testing

- » Apparent Specific Gravity
- » ASTM Hardness and Stability Drum
- » ISO Micum and Irsid Drum
- » CSR/CRI Apparatus
- » Sieve analysis – particle size determination
- » Hargrove Grindability



1649 Bobali Drive  
Harrisburg, PA 17104



717.364.1440  
www.mccreathlabs.com