

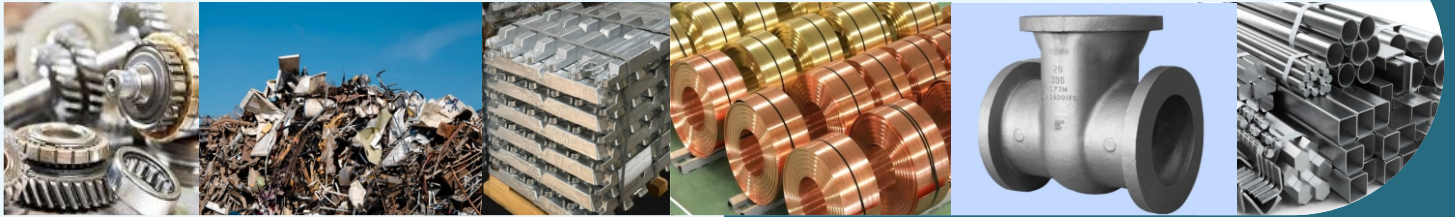


# AGROMET LAB

“ A True Report “

## A COMPLETE METAL TESTING LABORATORY

**Test the Quality of your metal Today.....**



## NABL ACCREDITED METAL TESTING LABORATORY

Vide Certificate No TC-8257

### ◆ We Undertake:

- Chemical Testing
- Mechanical Testing
- Metallography Testing
- Corrosion Testing
- Non Destructive Testing

AGROMET LAB was started in the year of 1989 at RS Puram, Coimbatore to provide chemical testing services by wet analysis method to various metal industries throughout Tamilnadu and neighbouring states for more than 3 decades.

In 2016, Agromet Lab extended the testing facility with advanced technology Equipments like Spectrometer, Microscope, Macroscopic, UTM, Brinell Hardness, Rockwell Hardness, Vickers Hardness, Micro Vickers Hardness, Portable Hardness, PMI, Salt Spray Testing, Corrosion Testing and NDT equipments to provide accurate values and timely services to its clients across India.

### **Our In-house Testing Equipments**



Contact us :

**AGROMET LAB**

46-A, Sanganoor Road, Ganapathypudur,  
Near 10th Street, Coimbatore - 641006.

Email : [info@agrometlab.com](mailto:info@agrometlab.com)

[marketing@agrometlab.com](mailto:marketing@agrometlab.com)

For more Details please log on to

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

Email : [agrometlabcbce@gmail.com](mailto:agrometlabcbce@gmail.com)

**General Enquiry : +91 90039 25625**

**Accounts / Payments : +91 99941 79799**

**Testing & Reports : +91 90037 95625**

## Chemical Testing By Optical Emission Spectrometer

Methods of analyzing chemicals in raw materials, scraps, finished products, Industrial and specialty products.

- Plain carbon / Low alloy steels
- Stainless steels / Hi-Cr/ Hi-Ni Steels
- Tools steels
- Maraging steels
- Cast irons / SG Iron
- Ni-Hard / Ni-Resist
- Nickel & its alloys (Monel, Inconel, Hastelloy etc.,)
- Aluminium & its Alloy (Al-Si, Al-Cu, Al-Zn, Al-Mg, etc.,)
- Copper & its Alloys (Brass, Bronze, Gun metal etc.,)
- Zinc & its Alloys (Mazak)
- Cobalt & its Alloys
- Magnesium & its Alloys

## Chemical Testing By Wet Analysis

The products can be in a form of Plates, Sheets, Rods, Bars, Structural Steels, Forgings, Die castings, Drillings or Turnings etc., The Metals and Ores are

- Iron Base (Cast iron, Low Alloy and SS)
- Aluminium Alloys
- Copper Alloys
- Nickel Alloys
- Zinc Alloys
- Solders
- Silver and Silver Brazings
- Ferroalloys  
(Fe-Si, Fe-Mn, Fe-Cr, Fe-Mo, Fe-Ni, Fe-V)
- Coal and coke
- Rubber ash content

We undertake Chemical Analysis by

- Bruker Optical Emission Spectrometer
- Wet Analysis by Stoichiometric method



Agromet Lab is specialized in Chemical testing by Optical Emission Spectrometer which is manufactured by world's renowned company Bruker AXS, Germany. Our chemists are well versed with the state-of-art instrumentation and proprietary testing.



The wet chemical analysis utilizes the stoichiometric method such as the Titrimetric Analysis, Gravimetric Analysis, Volumetric Analysis, Combustion Method, Strohleim Apparatus.

## Mechanical Testing By UTM

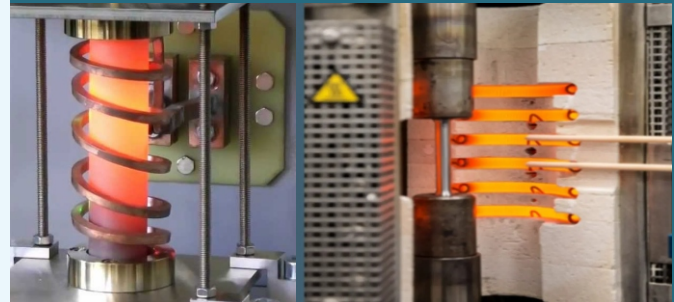
- Tensile Testing • Bend Test • Compression Test
- Flaring / Flattening Test • Shear test • Drift Expansion
- Load test • Load Vs Deflection characteristics and Endurance test on Compression & Extension Springs.
- Welder qualification & WPS tests as per ASME, AWS, API, IS, BS, ISO standards



## Mechanical Testing By Elevated Temperature Tensile Test

Elevated temperature tensile testing combines tensile testing and high temperatures to evaluate the effects of constant strain and heat on a material. Aims to calculate a material's resistance to high temperatures under a continuous load to better understand the material's integrity.

- Standards: ASTM E21 / ISO 6892-2 / IS 1608: Part 2



## Mechanical Testing By HARDNESS TEST

- Rockwell hardness Test (HRA, HRBW, HRC)
- Brinell hardness Test (Up to 3000 kgf)
- Vickers Hardness Test (1Kg to 50Kg)
- Micro Vickers Hardness Test (10g to 1000g)
- Portable Hardness



## Mechanical Testing By IMPACT CHARPY TEST

We conduct impact tests as per ASTM E23 as well as ISO 148 on calibrated machines of Capacity 400 J and 300 J at various temperatures ranging from ambient to Sub Zero (minus 196 Deg.C).

- Charpy / Izod Impact Tester (Both U and V notch)
- Lateral Expansion
- Fracture Appearance



We undertake Mechanical Analysis by

- UTM
- Elevated Temperature Tensile Test
- Hardness Testing
- Impact Charpy Test



**AGROMET LAB**

# **METALLOGRAPHY**

## **TESTING**

- Micro Examination (Ferrous & Non-Ferrous)
- Macro Examination
- Inclusion Rating ( As per ASTM E45)
- Decarburization Depth
- Case Depth ( Hardness / Microscopic )
- Coating Thickness measurement
- Weld Evaluation with depth of Penetration
- Nitriding depth measurement
- Grain size & Grain Flow
- Nodularity & Particle Count
- Failure Analysis
- Heat Treatment Condition
- Ferrite count

**AGROMET LAB**

# **CORROSION TESTING**

- Inter-granular corrosion attack
- Pitting & crevice corrosion
- Salt Spray ( Fog ) as per ASTM B117
- Neutral Salt Spray (NSS) per ISO 9227
- Mass of Zinc Coating

**AGROMET LAB**

# **NDT TESTING**

- On-site chemical Analysis without destruction of metals, Scrap Sorting, Grade Segregation (PMI ) with Light Elements Analysis ( Al,Mg,P & S )
- Coating Thickness Analysis ( Upto 3 Layers )
- Surface Roughness
- Ultrasonic Testing
- Magnetic Particle Testing
- Liquid Penetration Testing
- Radiography Testing

**SCAN ME**



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Email : [info@agrometlab.com](mailto:info@agrometlab.com)

[marketing@agrometlab.com](mailto:marketing@agrometlab.com)

We undertake Metallography Testing by

- Microscopic method
- Macroscopic method



We undertake Corrosion Testing by

- IGC / Pitting / Crevice / Salt spray



We undertake NDT Testing by

- PMI / MPT / LPT / UT / RT/ Surface Roughness



For more Details please log on to

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

Email : [agrometlabcbce@gmail.com](mailto:agrometlabcbce@gmail.com)

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National Accreditation Board for  
Testing and Calibration Laboratories

**CERTIFICATE OF ACCREDITATION**

**AGROMET LAB**

has been assessed and accredited in accordance with the standard

**ISO/IEC 17025:2017**

**"General Requirements for the Competence of Testing &  
Calibration Laboratories"**

for its facilities at

46A, SANGANOOR ROAD, COIMBATORE, TAMIL NADU, INDIA

in the field of

**TESTING**

Certificate Number: TC-8257

Issue Date: 29/01/2023

Valid Until: 28/01/2025

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Name of Legal Identity : AGRO MET LAB

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



**QUALITY COMPLIANCE CERTIFICATION INDIA LLP**

**CERTIFICATE OF REGISTRATION**

This is to certify that

**AGRO MET LAB**

**46A, SANGANOOR ROAD NEAR 10TH STREET, GANAPATHY  
PUDUR, COIMBATORE – 641006, TAMIL NADU, INDIA.**

The Quality Management System of above organisation has been independently assessed by QCCI and found to be Compliant with the requirements of the standard detailed below.

**ISO 9001:2015**

**(QUALITY MANAGEMENT SYSTEM)**

For the following scope of activities:

**PROVIDING METAL TESTING LABORATORY SERVICES.**

**Certificate Number : QCCI/23Q/AEB/2842**

Date of issue of Certificate: 16-09-2023

1st Surveillance Due : 15-09-2023

2nd Surveillance Due : 15-09-2025

Date of expiry of certificate: 15-09-2026

**Chief Authorized Head**



**QUALITY COMPLIANCE CERTIFICATION INDIA LLP**

C.A.B Address: Maryland Avenue, SW, Washington, D.C. 20202, U.S

**This Certificate Remains The Property of QCCI LLP and Must Be Returned Whenever Demanded.**

**QCCI LLP is an Independent System, Product and Personal Assessment Body.**

**QCCI LLP is Accredited By United Global Accreditation Centre.**



Scan QR Code to Validate  
or visit [www.qcci.in](http://www.qcci.in)

Validity of this certificate subject to annual surveillance audit to be done successfully.





- ✓ AGRO MET LAB was started in the year of 1989 at RS Puram, Coimbatore to provide chemical testing services by wet analysis method to various metal industries throughout Tamilnadu and neighbouring states for more than 3 decades.
- ✓ In 2016, Agro Met Lab extended the testing facility with advanced technology Machines and Equipments like Spectrometer, Microscope, Macroscopic, UTM, Brinell Hardness, Rockwell Hardness, Vickers Hardness, Portable hardness, PMI, Corrosion Testing and NDT equipments to provide accurate values and timely services to its clients across India.
- ✓ NABL Accredited Testing Laboratory (Vide certificate no.TC-8257).
- ✓ We offer Chemical, Mechanical, Metallurgical, PMI & NDT Testing of ferrous & non-ferrous alloys through its wide scope of testing services. We also do the Welder qualification testing shall be done under full supervise and control by a third party. Normally, it is classification (ABS/BV/DNV-GL/LR/KR).
- ✓ Agro Met Lab is in prime location of Coimbatore where steel and metal based industries can reach us shortly for their testing requirements. With our well qualified professional & technical team, we are assuring quality and timely services to our clients.
- ✓ Our MOTTO is to serve the industries with accuracy and time.



### GLOBAL STAR AWARD

South western American University, The Peaks Magazine and NIC Academy jointly organised National Integrity Function for Convocation & Award ceremony in Chennai on 04.09.2022. Our CEO, Mr.R.Rajesh Kumar received The Emerging Entrepreneur “Global Star Award” in the occasion.



*Is proud to present*

**AGRO MET LAB**

*As One of the*

**BEST**

**METAL TESTING  
LABORATORY**

Tamilnadu  
**2023**

*in acknowledgement of its unwavering focus and dedication  
to achieve excellence in quality in Metal Testing Category.*

Managing Partner  
**INFOMEDIA SERVICES**

*Date : 18th September 2023*