



JS CIVIL

LAB SOLUTIONS PVT LTD

Pharma Industry Equipment

TECHNICAL BROCHURE





JS CIVIL

LAB SOLUTIONS PVT LTD

scan me!



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Odisha - 751010

Tested by Time, Trusted by Industry: Your Partner in Precision Equipment Supply

At JS Civil Lab Solutions, we recognize that **precision is essential**. With over a decade of dedicated service, we provide India's civil engineering and construction sectors with **high-performance testing equipment** and **reliable expert services**. Our commitment to accuracy and reliability supports a wide range of critical testing applications. We understand that operational integrity depends on material quality.

Specializing in **Non-Destructive Testing and Civil Lab Testing equipment**, we serve industries including **paper, pharmaceuticals, highways, railways, airports, and infrastructure**. Our products meet stringent **Indian and global standards (IS, EN, ASTM)**, ensuring compliance and dependable results.

Partner with JS Civil Lab Solutions for trusted equipment that drives the success and durability of your most vital projects.

Built on **Trust.**
Driven by
Quality.

JS Civil Lab: Precision, Trust, and Uncompromising Quality

At **JS Civil Lab**, **quality is our foundation**. We provide more than just tools; our products are trusted companions for critical projects across **Paper, Pharma, Highways, Railways, Airports, and other civil industries**.

Our entire process, from material selection to dispatch, is **Total Quality Management (TQM)** driven. Our in-house team, with **state-of-the-art testing facilities**, ensures every product delivers **precision, consistency, and durability**.

We understand that in your field, **even the smallest measurement makes the biggest difference**. Our Non-Destructive Testing (NDT) and Civil Lab Testing solutions.

What Sets Us Apart

Experience that Delivers

With **10+** years in the field, we understand not just equipment, but your real-world challenges.



Solutions that Fit

Every product is backed by application insight, with options for customization to suit your project needs.



Service that Supports

We don't just deliver equipment—we offer guidance, training, and after-sales support you can count on.



Standards You Can Trust

All our products conform to national and international specifications.



Fair Pricing

We believe quality shouldn't come at a premium. Our pricing reflects value, not just cost.



Our Promise

We stand by every product we deliver—on time, on spec, and on your terms. We are continuously upgrading our offerings and integrating the latest technologies to ensure that you always stay ahead of the curve.



Our Vision

To be a trusted partner in India's infrastructure growth by providing reliable, innovative, and standards-compliant testing solutions that empower civil engineers, project managers, and institutions alike.

Our Mission

To simplify civil engineering testing through intelligent design, dependable performance, and exceptional service—ensuring that every project we touch is safer, stronger, and smarter.



Autoclave

Description:

A high-pressure steam sterilizer used to effectively sterilize laboratory glassware, instruments, culture media, and other materials. Autoclaves ensure complete elimination of microorganisms, spores, and contaminants, maintaining sterile laboratory conditions.

Use & Standard:

Used for sterilization of laboratory materials in compliance with IS, ISO 13485, USP, and WHO guidelines for sterilization procedures.

Laboratory Benefits:

1. Ensures complete sterilization of lab materials
2. Supports compliance with international sterilization standards
3. Provides reliable contamination control for sensitive experiments



Laminar Air Flow Cabinet

Description:

A contamination-free workspace that provides filtered air across the work surface to protect samples from airborne particles and microorganisms.

Use & Standard: Used in microbiology, tissue culture, and pharmaceutical labs as per ISO 14644 cleanroom standards and USP guidelines.

Laboratory Benefits:

1. Maintains sterile conditions during experiments
2. Protects samples from contamination
3. User-friendly with enhanced safety features.
4. Critical for pharmaceutical quality control and microbiology research



Hot Air Oven

Description:

A laboratory oven used for dry heat sterilization and drying of glassware, instruments, and samples at controlled temperatures.

Use & Standard: Used for sterilization and drying as per ISO and WHO guidelines for laboratory safety.

Laboratory Benefits:

1. Provides reliable dry heat sterilization
2. Ensures uniform heating of samples
3. Energy-efficient and durable
4. Essential for microbiology and pharmaceutical labs



Incubator

Description:

A controlled environment chamber designed for the growth and maintenance of microbiological cultures and cell lines.

Use & Standard: Used in microbiology, biotechnology, and pharmaceutical labs in compliance with USP and ISO 17025 standards.

Laboratory Benefits:

1. Supports microbial and cell culture growth
2. Ensures precise temperature regulation
3. Versatile for a variety of biological studies
4. Reliable for long-term research applications



pH Meter

Description:

A precision laboratory instrument designed to measure the hydrogen ion concentration (pH) of solutions. It is essential for chemical analysis, control, and maintaining proper conditions in biological and pharmaceutical studies.

Use & Standard: Widely used in laboratories for accurate pH measurement as per IS 3025, USP, ICH Q2, and ISO 29681 standards.

Laboratory Benefits:

1. Provides highly accurate pH measurements
2. Essential for chemical, pharmaceutical, and microbiological studies
3. User-friendly and reliable operation
4. Supports regulatory compliance and product quality assurance



Analytical Balance

Description:

A highly sensitive balance designed for precise measurement of small sample masses in laboratory analysis.

Use & Standard: Used in pharmaceutical, chemical, and food labs as per USP and GLP standards.

Laboratory Benefits:

1. Provides highly accurate weighing results
2. Supports chemical analysis and formulation
3. Ensures compliance with international quality standards
4. User-friendly and reliable operation



UV-Visible Spectrophotometer

Description:

An analytical instrument used to measure the absorbance and transmittance of solutions in the UV and visible spectrum.

Use & Standard: Applied in pharmaceutical, chemical, and environmental labs as per USP, ICH, and ISO 17025 standards.

Laboratory Benefits:

1. Accurately measures concentration of analytes
2. Supports pharmaceutical quality control and R&D
3. Essential for chemical and biological analysis
4. User-friendly with data storage options



High-Performance Liquid Chromatography (HPLC)

Description:

An advanced analytical instrument used to separate, identify, and quantify components in liquid samples.

Use & Standard: Used in pharmaceutical, food, and chemical industries as per USP, ICH Q2, ISO/IEC 17025, and pharmacopoeial standards.

Laboratory Benefits:

1. Provides highly accurate and reproducible analysis
2. Essential for pharmaceutical R&D and quality control
3. Supports regulatory submissions and product validation
4. Capable of detecting trace impurities and active components



Gas Chromatography (GC)

Description:

An analytical technique used to separate and analyze volatile compounds in a mixture.

Use & Standard: Commonly used in pharmaceutical, petrochemical, and food industries as per USP, ISO 17025, and ICH Q2 standards.

Laboratory Benefits:

1. Provides precise analysis of volatile compounds
2. Widely used in pharmaceutical impurity testing
3. Essential for food safety and environmental monitoring
4. Ensures regulatory compliance in chemical industries



Centrifuge

Description:

A laboratory device used to separate components of a mixture based on density by spinning at high speed. Essential for cell, protein, and DNA sample preparation.

Use & Standard: Used in pharmaceutical, biotechnology, and clinical labs in compliance with ISO 13485 and GLP standards.

Laboratory Benefits:

1. Enables efficient separation of biomolecules and cells
2. Suitable for both research and diagnostic labs
3. User-friendly with programmable settings
4. Reliable for molecular biology and clinical studies



Microscope

Description:

An optical instrument used to magnify small samples, enabling visualization of microorganisms, cells, and structures.

Use & Standard: Widely used in life sciences, pathology, and microbiology labs as per ISO 8036 and WHO laboratory standards.

Laboratory Benefits:

1. Provides clear visualization of microscopic structures
2. Essential for biological and medical research
3. Supports advanced diagnostic applications
4. Adaptable with imaging and documentation systems



Fume Hood

Description:

A ventilated enclosure designed to protect laboratory personnel from hazardous fumes, vapors, and dust.

Use & Standard: Used in chemical, pharmaceutical, and academic labs as per OSHA and ISO 14175 standards.

Laboratory Benefits:

1. Protects users from chemical exposure
2. Prevents contamination of experiments
3. Essential for chemical synthesis and sample handling
4. Ensures compliance with laboratory safety standards



Tablet Compression Machine

Description:

A mechanical device used to compress powder into uniform tablets of defined size and shape.

Use & Standard: Used in pharmaceutical formulation and R&D in compliance with USP, ICH, and GMP standards.

Laboratory Benefits:

1. Produces consistent and uniform tablets
2. Supports pharmaceutical development and pilot production
3. Ensures compliance with pharmacopeial standards
4. Facilitates process optimization in R&D labs



Disintegration Tester

Description:

An instrument used to determine the time required for tablets or capsules to break down under specified conditions.

Use & Standard: Use & Standard: Complies with USP, BP, and IP pharmacopeial methods for disintegration testing.

Laboratory Benefits:

1. Ensures quality and performance of oral dosage forms
2. Critical for pharmaceutical QC testing
3. Provides reproducible and reliable results
4. Supports regulatory compliance



Dissolution Tester

Description:

Used to measure the rate at which active pharmaceutical ingredients (APIs) are released from tablets or capsules into solution.

Use & Standard: As per USP, BP, IP, and ICH guidelines for dissolution testing.

Laboratory Benefits:

1. Provides accurate release profile of drugs
 - Essential for bioequivalence and stability testing
 - Ensures batch-to-batch consistency
 - Supports regulatory submissions and QC validation



Friability Tester

Description:

A device used to test the resistance of tablets to abrasion and mechanical shock during handling, storage, and transportation.

Use & Standard:

Use & Standard: Conforms to USP, BP, and IP standards for friability testing.

Laboratory Benefits:

1. Ensures tablets can withstand handling stress
2. Helps maintain quality during packaging and transport
3. Provides reliable compliance data for pharmacopeial standards
4. Easy to use and time-efficient



Hardness Tester

Description:

An instrument used to measure the mechanical strength (crushing force) of tablets.

Use & Standard: Used in pharmaceutical QC as per USP, BP, and IP standards.

Laboratory Benefits:

1. Ensures uniformity of tablet strength
2. Supports formulation optimization
3. Provides compliance with pharmacopeial testing requirements
4. Enhances product quality and reliability



Moisture Analyzer

Description:

A rapid analytical instrument that determines the moisture content of samples using heating and precision weighing.

Use & Standard: Widely used in pharmaceuticals, food, and chemical industries as per ISO and ASTM moisture analysis methods.

Laboratory Benefits:

1. Provides quick and accurate moisture analysis
2. Essential for stability and quality control
3. Non-destructive and efficient testing method
4. Supports regulatory compliance in QC labs



Brookfield Viscometer

Description:

An instrument used to measure the viscosity of liquids and semi-solids under controlled shear rates.

Use & Standard: Used in pharmaceutical, food, and cosmetic industries in compliance with ASTM D2196 and ISO 2555.

Laboratory Benefits:

1. Provides accurate rheological analysis
2. Critical for formulation consistency and stability studies
3. Versatile for a wide range of materials
4. Supports product development and QC testing



Refrigerator & Freezer

Description:

Essential storage units designed to preserve biological samples, reagents, and chemicals at controlled low temperatures.

Use & Standard: Used in research, pharmaceutical, and clinical labs as per WHO and ISO laboratory storage standards.

Laboratory Benefits:

1. Ensures stability of temperature-sensitive materials
2. Essential for storage of vaccines, reagents, and samples
3. Provides reliable long-term preservation
4. Critical for pharmaceutical and biotechnology labs



Magnetic Stirrer with Hot Plate

Description:

A laboratory device combining a magnetic stirrer and heating plate to mix and heat solutions simultaneously.

Use & Standard: Commonly used in chemical, pharmaceutical, and academic labs as per ISO 9001 and GLP practices.

Laboratory Benefits:

1. Ensures uniform mixing and heating of solutions
2. Reduces manual intervention with continuous stirring
3. Safe and efficient for routine lab applications
4. Widely applicable for chemical synthesis and sample prep



Rotary Evaporator

Description:

An instrument designed for gentle and efficient removal of solvents from samples by evaporation under reduced pressure.

Use & Standard: Used in pharmaceutical, chemical, and food industries following ISO and GLP guidelines

Laboratory Benefits:

1. Provides efficient solvent recovery
2. Prevents sample degradation during evaporation
3. Energy-efficient and time-saving
4. Essential for concentration and purification processes



Karl Fischer Titrator

Description:

A specialized instrument used for accurate determination of water content in samples using Karl Fischer titration.

Use & Standard: Applied in pharmaceutical, food, and chemical industries as per USP <921>, ISO 760, and ASTM E203 standards.

Laboratory Benefits:

1. Provides precise and reliable moisture content analysis
2. Suitable for solids, liquids, and gases
3. Ensures compliance with pharmacopeial standards
4. Reduces operator error with automated systems



Melting Point Apparatus

Description:

A laboratory instrument used to determine the melting point of solid substances, critical for purity testing.

Use & Standard: Used in pharmaceutical and chemical labs in compliance with USP and ISO 11357 standards.

Laboratory Benefits:

1. Ensures accurate purity assessment of compounds
2. Provides reproducible melting point data
3. User-friendly and reliable operation
4. Essential for QC and R&D applications



Conductivity Meter

Description:

An analytical device used to measure the electrical conductivity of solutions, indicating ionic concentration.

Use & Standard: Used in water analysis, pharmaceutical, and chemical labs as per USP <645> and ISO 7888 standards.

Laboratory Benefits:

1. Provides rapid ionic strength measurement
2. Critical for water quality and process monitoring
3. Ensures compliance with pharmacopeial water
4. Easy to use and highly reliable



Water Bath

Description:

A laboratory device used to incubate samples in water at controlled temperatures over a set period.

Use & Standard: Applied in pharmaceutical, microbiology, and chemical labs as per ISO and GLP standards.

Laboratory Benefits:

1. Provides stable and uniform heating for samples
2. Suitable for chemical reactions, incubation, and warming reagents
3. Versatile for multiple laboratory applications
4. Durable and easy to maintain



Colony Counter

Description:

A digital device used to count colonies of microorganisms grown on agar plates.

Use & Standard: Used in microbiology and pharmaceutical labs as per ISO 7218 and WHO microbiological testing standards.

Laboratory Benefits:

1. Provides accurate and quick colony counts
2. Reduces operator fatigue with ergonomic design
3. Supports quality control in microbiology labs
4. Essential for food, water, and pharmaceutical testing



Vacuum Pump

Description:

A device used to create a vacuum for filtration, evaporation, or degassing processes in laboratories.

Use & Standard: Used in chemical, pharmaceutical, and academic labs as per ISO 8659 standards.

Laboratory Benefits:

1. Supports vacuum filtration and solvent removal
2. Ensures efficient and fast evaporation
3. Essential for HPLC, rotary evaporation, and drying processes
4. Reliable and low-maintenance operation



Shaker (Orbital/Reciprocating)

Description:

A laboratory device used to mix, agitate, or blend samples through orbital or linear motion.

Use & Standard: Applied in biotechnology, microbiology, and chemical labs under GLP and ISO 9001 standards.

Laboratory Benefits:

1. Provides consistent and uniform mixing of samples
2. Suitable for culture growth, solubility studies, and chemical reactions
3. Reduces manual handling with automated mixing
4. Flexible for multiple laboratory applications





National Accreditation Board for
Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

GLOBAL 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

SHOP NO-29 & 30, KRISHI INDUSTRIAL ESTATE, TTC INDUSTRIAL AREA, TURBHE, NAVI MUMBAI, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-14645

Issue Date: 04/10/2024

Valid Until: 03/10/2028

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)

Name of Legal Entity: Global Lab Material Testing Pvt. Ltd.

Signed for and on behalf of NABL



N. Venkateswaran
N. Venkateswaran
Chief Executive Officer



National Accreditation Board for
Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

GLOBAL 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

PLOT NO. 206, MAHADEV NAGAR, JHARAPADA ROAD, JHARAPADA, BHUBANESWAR, KHORDHA, ODISHA, INDIA

in the field of

TESTING

Certificate Number: TC-16301

Issue Date: 20/06/2025

Valid Until: 13/03/2029

This certificate supersedes the Certificate No. TC-11444 with issue date 14/03/2025 in view of change in name of the laboratory.

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)

Name of Legal Entity: GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED

Signed for and on behalf of NABL



Anita Rani
Anita Rani
Director

N. Venkateswaran
N. Venkateswaran
Chief Executive Officer



National Accreditation Board for
Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

GLOBAL 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

UNIT NO - 31 & 32, SHETHIA INDUSTRIAL PARK, SURVEY NO - 39, WALIV, VASAL, PALGHAR, MAHARASHTRA, INDIA

in the field of

CALIBRATION

Certificate Number: CC-2245

Issue Date: 25/09/2024

Valid Until: 24/09/2026

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)

Name of Legal Entity: GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED

Signed for and on behalf of NABL



N. Venkateswaran
N. Venkateswaran
Chief Executive Officer



National Accreditation Board for
Testing and Calibration Laboratories

NABL

CERTIFICATE OF ACCREDITATION

GLOBAL 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

UNIT NO 31 & 32, SHETHIA INDUSTRIAL PARK, SURVEY NO-39, SATIVALLI, VASAL-E, VASAL, THANE, MAHARASHTRA, INDIA

in the field of

TESTING

Certificate Number: TC-5713

Issue Date: 07/10/2024

Valid Until: 06/10/2026

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)

Name of Legal Entity: Global Lab Material Testing Pvt. Ltd.

Signed for and on behalf of NABL



N. Venkateswaran
N. Venkateswaran
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories
NABL
CERTIFICATE OF ACCREDITATION
GLOBAL 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
 HOUSE NO 4, KEKORA NAGAR, GUWAHATI, KAMRUP METROPOLITAN, ASSAM, INDIA
 in the field of
TESTING
 Certificate Number: TC-12677
 Issue Date: 30/11/2023 Valid Until: 29/11/2025
 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)
 Name of Legal Entity: Global Lab Material Testing Pvt Ltd
 Signed for and on behalf of NABL


 N. Venkateswaran
 Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories
NABL
CERTIFICATE OF ACCREDITATION
GLOBAL 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
 1073, LASHKAR BAT, WARD NO. 107, PICNIC GARDEN, KOLKATA, WEST BENGAL, INDIA
 in the field of
TESTING
 Certificate Number: TC-8522
 Issue Date: 29/05/2025 Valid Until: 28/05/2029
 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)
 Name of Legal Entity: GLOBAL LAB MATERIAL TESTING PRIVATE LIMITED
 Signed for and on behalf of NABL


 Anuja Anand
 Director

 N. Venkateswaran
 Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories
NABL
CERTIFICATE OF ACCREDITATION
GLOBAL LAB (PT DIVISION)
 has been assessed and accredited in accordance with the standard
ISO/IEC 17043: 2023
"Conformity Assessment - General Requirements for the Competence of Proficiency Testing Providers"
 for its facilities at
 UNIT NO. 31 & 32, SHETHIA INDUSTRIAL PARK, SURVEY NO. 39, WALIV, VASAI-E, PALGHAR, THANE, VASAI, PALGHAR, MAHARASHTRA, INDIA
 in the field of
PROFICIENCY TESTING PROVIDER
 Certificate Number: PC-1097
 Issue Date: 03/09/2024 Valid Until: 02/09/2026
 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 PT Provider, you may also visit NABL website www.nabl-india.org)
 Name of Legal Entity: Global Lab Material Testing Pvt Ltd
 Signed for and on behalf of NABL


 N. Venkateswaran
 Chief Executive Officer


CERTIFICATE
 This is to Certify that the Management System of
JS CIVIL LAB SOLUTIONS PRIVATE LIMITED
 W-28/1705,CASA CELESTE LODHIA AMARA, KOLSHET ROAD THANE WEST THANE (M.H.) - 400607, INDIA
 has been assessed and found to be in compliance with the requirements of the standard
ISO 9001: 2015
Quality Management System
 This certificate is valid for the following products or service range
 MANUFACTURER OF LABORATORY EQUIPMENTS, HARDWARE MATERIALS, AND MOTOR VEHICLE PARTS.
 The Validity of Certificate is subject to regular surveillance audit on or before above mentioned dates and it's only valid after successful surveillance with continuation letter issued by UCSPIL
 Initial Date of Certification : 09/01/2023 Current Date of Certification : 09/01/2023
 Date of Expiry : 08/01/2026
 1st Surveillance Audit : 08 January 2024
 2nd Surveillance Audit : 08 January 2025
 Certification Number : UCS8022-23B10189




 Authorized Signatory
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 E-mail : universalcertificationservices@gmail.com
 Web : www.universalcertification.co.in
 This certificate of registration remains the property of Universal Certification Services Pvt. Ltd. and shall be returned immediately upon request.
 The validity of this certificate can be verified at www.universalcertification.co.in
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