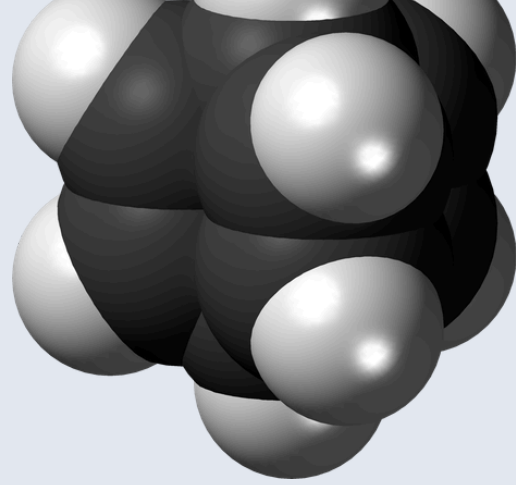




Aashvi Biotech (OPC) Pvt. Ltd.

PRODUCT CATALOGUE



Laboratory &
Industrial
Solutions

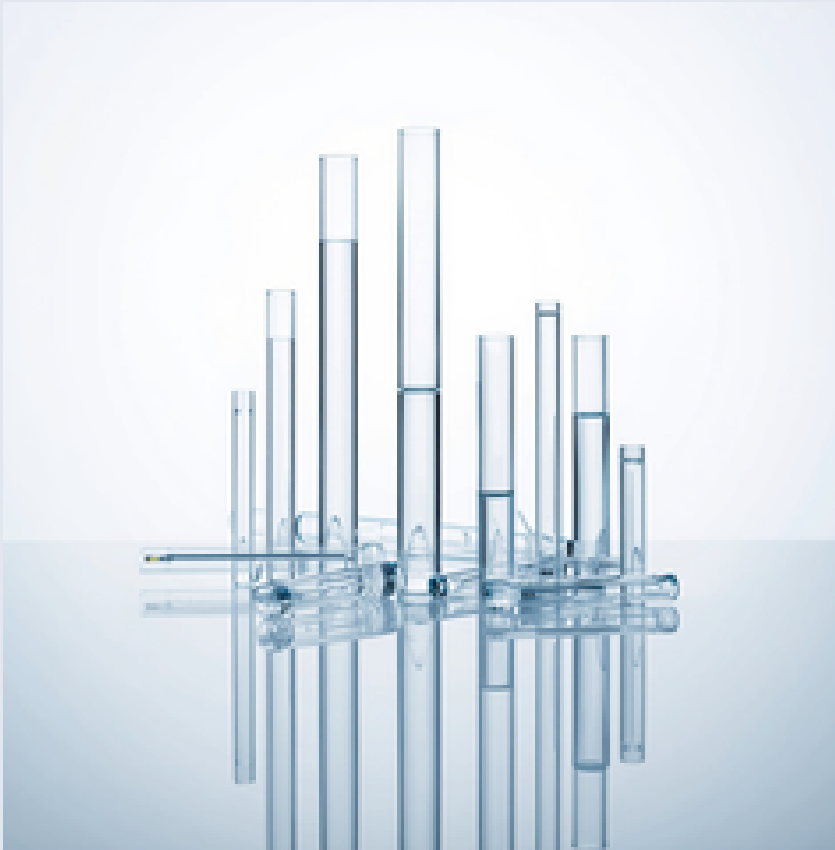
Alumina Labware



Zirconia Labware



Quartz Labware



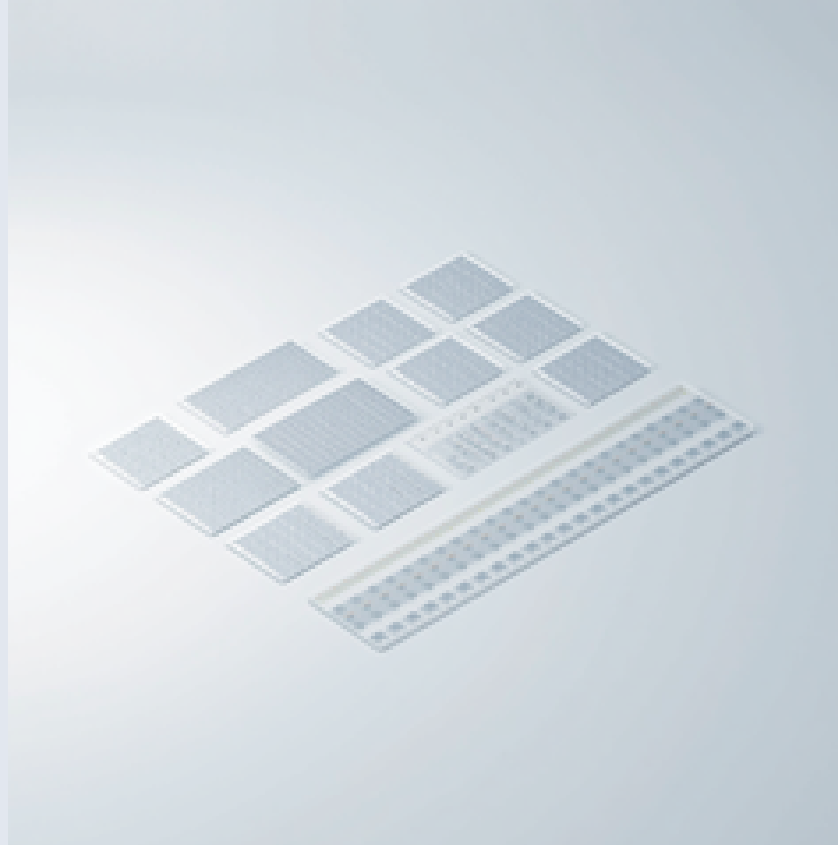
Graphite Components



Furnace Tubes



Battery Research Materials



ABOUT US

Aashvi Biotech is a growing provider of high-quality laboratory materials, scientific components, and industrial solutions across India. We focus on delivering reliable products that support research, testing, and manufacturing needs.

Our strength lies in understanding customer requirements and offering practical solutions with consistent quality. We work closely with laboratories, institutions, and industries to supply both standard and customized products.

With a commitment to quality control and dependable service, we aim to be a trusted partner for scientific and industrial applications.

OUR APPROACH

- Focus on quality and consistency
- Simple and transparent ordering process
- Fast response and delivery support
- Custom solutions based on user requirements

We believe in building long-term relationships through reliability and honest service.

ALUMINA LABWARE

Alumina (Al_2O_3) is a widely used ceramic material known for its strength, thermal stability, and electrical insulation properties.

Key Features

- High temperature resistance up to 1800°C
- Excellent mechanical strength
- Good corrosion and wear resistance
- Stable under extreme conditions

Applications

- Laboratory and industrial analysis
- Sample heating and melting
- Furnace tubes and thermocouple protection
- Electrical insulation

Available Forms

Crucibles, tubes, plates, discs, boats, and custom shapes.



ZIRCONIA LABWARE

Zirconia (ZrO_2) is a high-performance ceramic designed for demanding environments.

Key Features

- Extremely high hardness
- Excellent wear resistance
- Suitable for high-temperature applications
- Resistant to chemicals and molten materials

Applications

- Laboratory research
- High-temperature processing
- Sensors and advanced materials

Product Range

Plates, rods, tubes, rings, crucibles, and customized components.



QUARTZ LABWARE

We offer precision quartz products for laboratory and industrial use.

Key Features

- High thermal resistance
- Low thermal expansion
- Excellent chemical purity
- Strong optical properties

Products

- Quartz tubes and rods
- Slides and covers
- Custom fabricated components
- Furnace tubes and specialty glassware



PLATINUM LABWARE

Platinum is widely used for high-temperature and chemical-resistant applications.

Key Features

- High melting point
- Excellent corrosion resistance
- Stable under extreme conditions

Applications

- Analytical laboratories
- Chemical processing
- High-temperature reactions

Products

Crucibles, dishes, wires, and customized platinum labware.



GRAPHITE COMPONENTS

Graphite materials are suitable for high-temperature and inert environment applications.

Key Features

- High thermal conductivity
- Chemical stability
- Strong resistance to thermal shock

Applications

- Metallurgy
- Semiconductor processes
- Chemical industries

Products

Crucibles, plates, rods, foils, and custom components.



TECHNICAL CERAMICS (RF & MICROWAVE)

Advanced ceramic materials designed for electronic and communication systems.

Key Features

- High dielectric performance
- Stable at high frequencies
- Customizable shapes and sizes
-

Applications

- RF systems
- Satellite communication
- Microwave circuits
- Antennas and resonators



BATTERY RESEARCH MATERIALS

We supply consumables for lithium-ion and sodium-ion battery development.

Products

- Anode and cathode materials
- Electrolytes
- Separators
- Battery cases and accessories

Use

- R&D labs
- Battery manufacturing
- Energy storage systems



ELECTROCHEMISTRY & FUEL CELL MATERIALS

Comprehensive solutions for electrochemical and fuel cell research.

Includes

- Electrodes and membranes
- Analytical cells
- Catalyst materials
- Accessories and components



ELECTRONICS & NANO MATERIALS

Materials for advanced research and manufacturing.

Categories

- Thin film materials
- Nanomaterials
- Optical coatings
- High-purity metals



METAL CONSUMABLES

Wide range of high-purity metals and alloys.

Available Materials

- Stainless steel
- Copper, aluminium
- Titanium, nickel
- Specialized alloys

Forms

Powder, foil, wire, mesh, sheets, and custom shapes.



FURNACE TUBES

High-temperature tubes for industrial and lab use.

Materials

- Alumina
- Quartz
- Stainless steel
- Nickel alloys

Applications

- Heating systems
- Chemical processing
- High-temperature experiments



PELLET PRESS DIES

Precision tools for powder compaction.

Features

- High hardness and durability
- Accurate dimensions
- Smooth surface finish

Use

- Laboratory pellet preparation
- FTIR sample preparation



MORTAR & PESTLE

High-quality grinding tools made from natural materials.

Materials

- Agate
- Zirconia
- Alumina

Features

- High purity
- Low contamination
- Durable and easy to clean



METALLOGRAPHY CONSUMABLES

Complete range for sample preparation and analysis.

Products

- Cutting blades
- Grinding and polishing materials
- Mounting compounds
- Cleaning and finishing solutions



BALL MILLING JARS & MEDIA

Used for grinding, mixing, and particle size reduction.

Materials

- Zirconia
- Stainless steel
- Agate
- Alumina

Applications

- Chemical processing
- Nanotechnology
- Pharmaceuticals



PIEZOCERAMIC COMPONENTS

Solutions for sensing and actuation technologies.

Applications

- Medical devices
- Sensors
- Industrial systems
- Aerospace



IGNITION ELECTRODES

Reliable components for burners and heating systems.

Features

- High temperature resistance
- Strong electrical performance
- Durable construction



HIGH PRESSURE REACTORS

Designed for safe operation under pressure and temperature.

Applications

- Chemical reactions
- Material research
- Catalysis



HYDROTHERMAL AUTOCLAVES

Used for high-pressure synthesis processes.

Features

- Corrosion resistant
- High safety standards
- Multiple size options



WHY CHOOSE AASHVI BIOTECH

- Reliable product quality
- Custom manufacturing support
- Practical technical guidance
- Fast and responsive service

CONTACT US

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Aashvi Biotech – Supporting Science with Quality Solutions