

Apex Labs Logo

CHEMICAL SCIENCES CATALOGUE

CHEMISTRY LABORATORY APPARATUS

Premium Borosilicate Glassware, Volumetric Instruments, Distillation
Systems & Benchtop Diagnostic Hardware

Apex Labs Varanasi

Complete Portfolio Solutions for Educational Institutions, Research Laboratories & Industrial Testing
Hubs

Varanasi, Uttar Pradesh, India

Official Institutional Reference Catalogue | Ref: AL-CHEM-NC-2026

CHEMISTRY LABWARE & ANALYTICAL INSTRUMENTS

Apex Labs Varanasi proudly presents its premium, unpriced institutional catalog for **Chemistry Laboratory Apparatus and Glassware**. This portfolio covers the complete spectrum of testing instruments, including Class A calibrated volumetric items, specialized chemical balances, chemical-resistant safety hardware, and advanced all-glass distillation setups. All glassware listed is fabricated exclusively from high-expansion 3.3 borosilicate glass to handle extreme thermal transitions and aggressive chemical reagents smoothly. *Please quote the specific alphanumeric item codes when communicating with our commercial estimation desk.*

	EQUIPMENT CLASSIFICATION	TECHNICAL PARAMETERS & BUILT SPECIFICATIONS
AL-CH-001	Abel's Flash Point Apparatus	Designed as per IP33, IP170 & IS1448 standards. Closed-cup mechanism for petroleum products flashing below 70°C. Complete with oil cup, cover, shutter, and gas test-jet assembly.
AL-CH-002/1	Analytical Chemical Balance	Varanasi Make 'Sunshine' premium precision double-pan analytical laboratory model with agate knife-edge bearings and a glass-enclosed protective frame.
AL-CH-003/1	Analytical Weight Box (1mg to 100g)	Precision physical weight set containing chrome-plated brass weights, fractional weights in a separate compartment, and forceps in a velvet-lined case.
AL-CH-003/4	Analytical Weight Box (NABL / IDDC Certified)	High-accuracy calibrated laboratory weights up to 100g, accompanied by an official test certificate for standardized compliance profiles.
AL-CHN-01	Aniline Point Apparatus	Method A configuration for testing petroleum products and hydrocarbon solvents according to ASTM D611 standards.
AL-CHN-02/2	Laboratory Apron (Premium Canvas)	Heavy-duty white protective cotton canvas apron designed for full-body coverage against acid and chemical splashes.
AL-CH-005/1	Asbestos Free Wire Gauze (4"x4")	High-performance ceramic center safety mesh designed for even heat distribution across glass flask bases during heating phases.
AL-CH-005/2	Asbestos Free Wire Gauze (6"x6")	Large size laboratory ceramic safety mesh for large beakers and evaporating dishes.
AL-CH-008	Atomic Model Set (Student Kit)	Plastic molded spheres representing various element configurations (Carbon, Hydrogen, Oxygen, Nitrogen) with flexible link connectors.

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AL-CH-012/1	Beaker Tong (Steel Pattern)	Heavy nickel-plated steel forceps with plastic-coated non-slip jaws for handling hot laboratory beakers up to 1000mL safely.
AL-CH-015/1	Blast Burner (Heavy Industrial)	Dual gas/air control valves for high-intensity flame adjustments required in glassblowing and high-temperature material tests.
AL-CH-018	Blow Pipe (Brass, 8-Inch)	Solid brass curved structural air-induction blow pipe for micro-chemical flame testing and metallurgy evaluations.
AL-CH-022	Burette Stand with Clamp	Heavy powder-coated cast iron base with a chrome-plated steel rod and a die-cast metallic twin-burette clamping system.
AL-CH-030/1	Borosilicate Glass Beaker (100mL)	Graduated short-form beaker with a convenient pouring spout. Resistant to thermal shock and chemical attack.
AL-CH-030/3	Borosilicate Glass Beaker (500mL)	Standard medium-capacity graduated laboratory beaker made of expansion 3.3 borosilicate glass.
AL-CH-030/5	Borosilicate Glass Beaker (1000mL)	Large-capacity highly transparent glass vessel for chemical mixing, solutions, and boiling configurations.
AL-CH-035/1	Graduated Burette (25mL, PTFE Stopcock)	Class A precision volumetric burette with a self-lubricating leak-proof Teflon stopcock for accurate acid-base titration paths.
AL-CH-035/2	Graduated Burette (50mL, Glass Stopcock)	Standard institutional scale clear blue-line graduation burette with an interchangeable ground glass stopcock mechanism.
AL-CH-040/2	Conical Erlenmeyer Flask (250mL)	Narrow-mouth borosilicate glass conical flask with durable white enamel scaling for general titration and microbial culture holds.
AL-CH-040/4	Conical Erlenmeyer Flask (500mL)	Medium-capacity narrow-neck mixing flask engineered to optimize uniform swirl dynamics without accidental spills.
AL-CH-045/1	Volumetric Measuring Cylinder (50mL)	Hexagonal base glass cylinder with clear durable graduations and a custom pouring lip for accurate volume displacement.
AL-CH-045/3	Volumetric Measuring Cylinder (250mL)	Class B graduated fluid measuring column for general laboratory reagent preparation workflows.

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AL-CH-050/1	Volumetric Flask with Stopper (100mL)	Individually calibrated single-mark class A standard flask fitted with a custom penny-head plastic stopper.
AL-CH-050/3	Volumetric Flask with Stopper (250mL)	Precision analytical chemistry flask built to prepare exact molar standard concentrations of reagents.
AL-CH-060/1	Kipp's Gas Generator (500mL)	Interlocking three-tier glass assembly designed for the automated, intermittent generation of gases like Hydrogen Sulfide (H ₂ S).
AL-CH-060/2	Kipp's Gas Generator (1000mL)	High-capacity durable laboratory apparatus for continuous chemical gas deployment vectors without manual hand pumping.
AL-CH-070	Distillation Apparatus (All-Glass)	1000mL boiling flask coupled with a 400mm Graham coiled condenser link via custom tight standard ground-glass joints.
AL-CH-075/1	Liebig Condenser (300mm)	Borosilicate glass water-jacketed cooling column built for high-efficiency vapor condensation paths during basic distillation cycles.
AL-CH-080	Separating Funnel (250mL)	Pear-shaped separation vessel with a premium ground-glass stopper and smooth PTFE stopcock control for liquid-liquid extraction phases.
AL-CH-085/2	Buchner Filtration Funnel (Porcelain)	110mm outer diameter glazed laboratory porcelain funnel featuring a perforated filter plate for vacuum-assisted particulate filtration.
AL-CH-090	Desiccator with Porcelain Plate (200mm)	Heavy-walled glass drying chamber equipped with an airtight ground-glass rim cover to store moisture-sensitive compounds securely.
AL-CH-110	Digital pH Meter (Benchtop)	Equipped with automated temperature compensation (ATC), 3-point calibration cycles, and a glass combination electrode for analytical testing.
AL-CH-115/1	Digital Conductivity Meter	Microprocessor-based laboratory bench unit featuring a platinum conductivity cell and direct LED/LCD digital readouts.
AL-CH-120	Laboratory Hot Plate (Rectangular)	Cast iron heating top plate enclosed in a powder-coated MS sheet body, regulated via a rotary energy knob controller up to 350°C.

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AL - CH - 125 / 1	Water Bath (6 Holes, Concentric Rings)	Electrically operated copper or stainless steel water bath chamber featuring removable concentric ring sets for customized flask depth immersion.
AL - CH - 130	Digital Colorimeter (8 Filters)	Mains-operated micro-analytical concentration system covering 400-700nm ranges with high-reliability selenium photo-cells.