

KEY  
PRODUCTS  
FOR YOUR  
INDUSTRY

## Top Chemicals for your Industry

Discover the key daily lab chemicals including acids, bases, solvents and more as well as filters, membranes, solvent pumps and funnels.

For all your applications in the Lab or in production, we provide you with everything you need for your daily analyses, your research programs and QC processes.



### Extra Dry Solvents in AcroSeal™ Packaging

Choose from a wide range of extra dry solvents for moisture-sensitive and biochemistry applications. Deuterated solvents are also available in AcroSeal packaging, offering a low-cost alternative to ampule packaging and reducing the hazards associated with handling ampules.

- Standard grade: suitable for most applications
- Molecular sieves grade: Stored over molecular sieves for prolonged shelf life
- Supreme grade: filtered through 0.2 micro filters for dust-free applications

Cat. No	Description	Qty
10798552	Tetrahydrofuran, 99.5%, Extra Dry	1L

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Find it at: [eu.fishersci.com/go/industrychemicals](http://eu.fishersci.com/go/industrychemicals)



A Thermo Fisher Scientific Brand



## Pyrophoric Chemicals in AcroSeal™ Packaging

Our range of pyrophoric reagents offered in AcroSeal packaging has recently been extended to include Alfa Aesar products. These feature our most chemically stable septum for better performance against these highly reactive chemicals.

Cat. No	Description	Qty
10030462	n-Butyllithium, 2.5M solution in hexanes	100mL

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## Reagents for Synthetic Chemistry

Synthetic Reagents are essential in synthetic chemistry, allowing transformations of building blocks into target molecules quickly, safely and cleanly. A broad range of over 5,000 products are available from the combined Acros Organics and Alfa Aesar portfolios including:

- Organometallics such as Grignards, organozinc, organolithium and organotin compounds
- Reducing, oxidising and halogenating reagents
- All the commonly used functional reagents
- Many unusual reagents, less commonly used

Cat. No	Description	Qty
10061494	Hydrogen peroxide	1L
10401841	Sodium hypochlorite	500mL
10467350	Acetic anhydride	1L
10508653	Lithium aluminium hydride	100mL



## Catalysts

The Acros Organics and Alfa Aesar metal catalysts portfolio includes a range of homogeneous, heterogeneous, supported/unsupported and electro catalysts. The catalysts are offered in a wide selection of purities and concentrations for a broad range of organic synthesis routes for the pharmaceutical industry. Offering a unique collection of chiral ligands for asymmetric hydrogenation, novel palladium coupling catalysts, platinum group metal (PGM)-based heterogeneous catalysts as well as sponge nickel catalysts.

Cat. No	Description	Qty
10492391	Tetrakis(triphenylphosphine)palladium	5g
10170292	Tris(dibenzylideneacetone)dipalladium	5g
10243353	Raney™-Nickel, Activated Catalyst	100g



## Metals and Metal Oxides

The Puratronic™ line of base metal salts, solutions and pure elements is the leading choice of pharmaceutical and high technology companies needing the basic building blocks for many research and development processes. Each Puratronic compound has a minimum purity of 99.99% (metals basis).

Cat. No	Description	Qty
11316947	Nickel(II) oxide	5g

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## Inorganic Salts

A range of inorganic chemicals in a comprehensive set of purity grades range, including (but not limited to):

- Coordination compounds
- Main group compounds
- Transition metal compounds
- Organometallic compounds
- Cluster compounds
- Bioinorganic compounds

Cat. No	Description	Qty
10695862	Iron(III) chloride hexahydrate	100g
10092740	Sodium chloride	1kg
10487700	Silver nitrate, 0.1N	1L



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Alfa Aesar

## Laboratory Essentials

Within the Acros Organics and Alfa Aesar lab essentials portfolio, researchers have a great choice of products with different specifications.

Products include:

- High quality reagents, buffers and essentials to support research
- Products that are available from stock, ready for immediate shipment
- High-purity products that meet industry specifications for critical factors
- Broad selection of variants and grades enabling higher flexibility, in addition to pre-mixed solutions

Cat. No	Description	Qty
10296200	Glycerol	1L
10461153	Celite™ 545	500g
10647444	Silica gel orange	1kg



## Certified AR Grade for Analysis

Certified reagents for analytical applications. Rigorous quality assurance and testing procedures throughout the production process ensure the lot-to-lot consistency required for reproducible results.

- Tested for up to 18 parameters
- Actual lot analysis on the pack label
- Many reagents also comply with various pharmacopeias (BP, EP and USP)

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## TraceMetal™ Grade for Trace Metal Analysis

High purity acids and bases for trace elemental analysis by ICP instrumentation. These high-purity acids and bases are certified below one part per billion (ppb or ng/g) with key impurities specified at 0.1ppb and the majority of impurities at 0.5ppb or lower. Our TraceMetal grade range is tested for up to 65 elements by ICP-MS and is suitable for ICP-MS and ICP applications.

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## Extra Pure Grade, SLR

Complete range of acids and bases for routine laboratory analysis.

- Tested for up to 13 parameters
- Some acids also comply with various pharmacopeias (BP, EP and USP)
- Products come in a variety of innovative packaging options designed for safety, environmental protection, convenient handling and storage and preservation of product integrity

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## HPLC Grade for Gradient Analysis

Solvents and mobile phase blends suitable for HPLC gradient grade pumps, for essential and routine analysis.

- High UV transmission
- Low acidity/alkalinity level
- Filtered to 0.2µm
- Wide range of packaging styles available to suit application requirements
- Actual lot analysis is printed on label for ease of reference

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## Methanol, Optima™ LC/MS Grade

The certified performance of our Optima LC-MS solvents offers the most reliable solutions for today's scientist. For consistent, reproducible performance in the mobile phase of LC-MS, choose Optima LC-MS solvents, mobile phase blends, reagents and additives.

- Higher signal intensity and lower metal ion content (up to 17 metals level tested)
- Innovative LC-UV gradient test with Photo Diode Array detector
- Sub-micron filtration for maximum purity

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## HPLC Grade

From a dedicated grade of solvents and reagents to meet specific chromatography challenges. Diverse chromatographer requirements have led us to look for ways to improve our purification processes and to develop a series of solvents and buffers that meet the needs of specific instrumentation.

To support many different applications, we also offer a diverse range of solvents, all specified and tested for HPLC:


- HPLC grade
- Advanced Gradient Grade (low baseline drift for method development)
- HPLC grade for electrochemical detection
- HPLC grade for fluorescence detection
- GPC (Gel Permeation Chromatography) grade


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## Whatman™ Glass Vacuum Filtration Devices

Equipment and accessories for vacuum filtration.

- Made of borosilicate glass
- PTFE and silicone seals
- Glass D2 frit filter
- POM, thread RD14 hose connection
- Autoclavable and can be sterilised in dry heat to 180°C

Cat. No	Qty
11314944	1

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## Whatman™ Solvent IFD, 0.2µm, 50mm, polypropylene

Cytiva's Solvent IFD is a high-flow HPLC in-line filter/degasser, designed to simultaneously filter and degas organically based HPLC mobile phases.

- Faster than traditional mobile phase preparation
- Chemically resistant polypropylene membrane and housing, built to filter solvent mobile phases without expensive stand-alone degassing equipment
- Air vent on inlet with luer lock cap
- Integrity-testable with the bubble point method

Cat. No	Qty
11323415	1

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## Whatman™ Regenerated Cellulose Membranes: Grade RC 55

Low extractable and low binding characteristics makes them well-suited for mobile filtration for HPLC applications.

- Enhances column lifetime
- Spontaneously wetting, very good wet strength
- Extremely chemically resistant; suitable for aqueous and organic solutions
- For use with vacuum filtration units

Cat. No	Diameter, mm	Qty
11383355	25	100
11365394	47	100
10166770	50	100
11363355	100	25
11375394	110	25
11373355	142	25



## Mini Solvent Pump

The self-closing discharge with auto-stop function of these pumps ensures absolutely precise filling with no dripping at all.

- Dosing is easy in very small containers such as test tubes, which present no problems
- Hose can be optionally fastened onto the discharge spout, thus making it possible to fill the container from a greater distance
- Especially compact and very well balanced, which makes it possible to fill without tipping, even from very small containers
- Sturdy design and high-quality materials

Cat. No	Qty
15322265	1

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## Manual Solvent Pump

For the contamination-free removal of organic solvents and flavouring agents.

- Works according to the overpressure principle - an excess pressure is built up in the tank with the pump ball, forcing liquid out of the container
- All medium-contacting parts are made of stainless steel AISI 304 and PTFE
- Rigid discharge tube with stopcock
- Suitable for containers with R 2 inch thread

Cat. No

10238232

Qty

1

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## Hand Operated Solvent Pump for Tin-Foil Canisters

The Bürkle™ hand operated solvent pump for tin-foil canisters removes contamination of organic solvents and flavouring agents.

- Medium-contacting parts made of stainless steel AISI 304 (1.4301) and PTFE
- Rigid discharge tube with stopcock made of stainless steel/PTFE
- Suitable for containers with R 2 inch thread
- Thread adapter for commercially available containers available as accessory

Cat. No

10482594

Qty

1

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## Foot Operated Solvent Pump with Discharge Tube

The Bürkle™ foot operated solvent pump with discharge tube for filling off high purity liquids such as solvents.

- Immersion tube can be steplessly adjusted to the barrel depth
- For barrels up to 220L
- Suitable for steel barrels with R 2 inch thread
- Thread adapter for commercially available containers and air filters for ultra-pure drawing-off available as accessory

Cat. No	Qty
10504772	1

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## Foot Operated Solvent Pump with Discharge Hose and Stopcock

The Bürkle™ foot operated solvent pump with discharge hose and stopcock for filling off high purity liquids such as solvents.

- Pouring flammable liquids - all medium-contacting parts are made of stainless steel AISI 304 (1.4301) and PTFE. The Bürkle anti-static set can be used to ground the pump for dispensing flammable liquids so that no electrostatic charge forms
- Protection against hazardous vapours - due to the barrel screw joint and the stopcock, the container and the pump can be hermetically sealed so that no dangerous vapours can escape after dispensing. This protects both health and the environment
- Sturdy and practical design - the solid, durable industrial version of the solvent pump ensures a long service life. The pump works according to the overpressure principle. An excess pressure is built up in the tank with the foot actuator, forcing the liquid out of the container. Easy foot operation of the pump with foot actuator leaves both hands free for dispensing. The air hose can be quickly and easily connected and disconnected with the practical clip connection
- Immersion tube can be steplessly adjusted to the barrel depth

Cat. No	Qty
10223924	1

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## Withdrawal System for Solvents with Discharge Tube

The Bürkle withdrawal system for solvents with discharge tube can be used to dispense high-purity liquids quickly and without complications. An excess pressure is produced in the container with pressurised gas (compressed air or nitrogen), thereby pumping the liquid out of the tank.

- Consists of a barrel pump with fixed discharge tube
- The steplessly adjustable immersion tube of the barrel pump can be adjusted to the respective tank
- With barrel screw connection for steel barrels with R 2 inch thread
- Can be adjusted for standard commercial tanks with thread adapters

Cat. No	Depth, cm	Qty
16213181	60	1
16399561	95	1



## Withdrawal System for Solvents with Discharge Hose

The Bürkle withdrawal system for solvents with discharge hose can be used to dispense high-purity liquids quickly and without complications. An excess pressure is produced in the container with pressurised gas (compressed air or nitrogen), thereby pumping the liquid out of the tank.

- Consists of a barrel pump with a flexible discharge hose
- The steplessly adjustable immersion tube of the barrel pump can be adjusted to the respective tank
- With barrel screw connection for steel barrels with R 2 inch thread
- Can be adjusted for standard commercial tanks with thread adapters

Cat. No	Qty
16293802	1

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