

Petrochemical Testing

High-Purity Reagents, Acids, and Solvents for Oil and Gas Research

The Fisher Chemical portfolio includes more than 5,000 chemicals produced in ISO 9001:2015-compliant facilities. Available in at least 19 purity grades, these products undergo rigorous quality assurance and other testing procedures that produce bottle-to-bottle and lot-to-lot consistencies.

When you buy Fisher Chemical products, you'll get:

- Technical support from industry specialists, regional managers, and chemical specialists
- Custom solutions to meet your exact specifications
- Access to safety data sheets and certificates of analysis by scanning the QR code on the bottle or visiting fishersci.com/chemicals or fishersci.ca/chemicals

Chemicals for Specific Test Methods

Specific Fisher Chemical products are formulated to meet the requirements for a wide range of EPA, ASTM, and other test methods, including:

- Analysis of Flow Back Samples (**EPA Method 200.2**)
- Saponification of Petroleum Products (**ASTM D94-07**)
- Testing Hardness of Water (**EPA Method 130.2**)
- Testing for Anions (**EPA Method 300.1**)
- Testing for Cations (**ASTM D6919-08**)
- Oxidative Stability of Gasoline and Fuels (**ASTM D525 or ASTM D873**)
- Fluid Rock Interactions Associated with Hydraulic Fracturing and Natural Gas Development
- Analysis of Lubricating Oils
- Analysis of Pour Point and Cloud Point of Petroleum Products



Featured Chemicals for Oil and Gas Applications

In addition to the chemicals listed below, choose Fisher Chemical™ Optima™ and GC Resolv™ grade solvents if you require high-purity chemicals for analytical testing.

Description	CAS No.	Grade	Recommended Use	Size	Cat. No.
Acetone	67-64-1	Certified ACS	<ul style="list-style-type: none"> • ASTM D525 • ASTM D873 	4L	A18-4
Acetonitrile	75-05-8	Certified ACS	<ul style="list-style-type: none"> • EPA Method 300.1 • ASTM D6919-08 	4L	A21-4
Ammonium Chloride	12125-02-9	Certified ACS	EPA Method 130.2	3kg	A661-3
Ammonium Hydroxide	1336-21-6	Certified ACS Plus	EPA Method 130.2	2.5L	A669-212
EDTA Disodium Dihydrate	6381-92-6	Certified ACS	EPA Method 130.2	3kg	S311-3
Ethyl Alcohol (denatured)	64-17-5	Reagent	EPA Method 130.2	4L	A962-4
Ethylenediamine	107-15-3	Certified	EPA Method 300.1	4L	E479-4
Hydrochloric Acid	7647-01-0	Certified ACS Plus	<ul style="list-style-type: none"> • EPA Method 130.2 • EPA Method 200.2 • Fluid rock interactions associated with hydraulic fracturing and natural gas development • Lubricating oils analyses 	2.5L	A144-212
Hydroxylamine Hydrochloride	5470-11-1	Certified ACS	EPA Method 130.2	500g	H330-500
Isopropanol	67-63-0	Certified ACS	EPA Method 130.2	4L	A416-4
Nitric Acid	7697-37-2	Certified ACS Plus	EPA Method 200.2	2.5L	A200-212
Potassium Hydroxide	1310-58-3	Certified ACS	EPA Method 300.1	3kg	P250-3
Sodium Bicarbonate	144-55-8	Certified ACS	Fluid rock interactions associated with hydraulic fracturing and natural gas development	3kg	S233-3
Sodium Carbonate	497-19-8	Certified ACS	EPA Method 300.1	500g	S263-500
Sodium Chloride	7647-14-5	Certified ACS	ASTM D6919	3kg	S271-3
Sodium Sulfate	7757-82-6	Certified ACS	As a drying agent	500g	S415-500
Sulfuric Acid	7664-93-9	Certified ACS Plus	EPA Method 300.1	2.5L	A300-212
Toluene	108-88-3	Certified ACS	ASTM D525 ASTM D873	4L	T324-4
Triethanolamine	102-71-6	Certified	EPA Method 130.2	4L	T407-4
Tetrachloroethylene	127-18-4	Technical	As a degreaser, cleaner, or solvent	4L	C182-4

Other sizes may be available.

Featured Methods

Method	Description
ASTM D6919	Used to determine inorganic alkali and alkaline earth cations and lithium, sodium potassium, magnesium, calcium, and ammonium cation in reagent water, drinking water, and wastewaters by suppressed and non-suppressed ion chromatography.
ASTM D94	Used to determine the amount of constituents in petroleum products such as lubricants, additives, and transmission fluids that will saponify under the conditions of the test.
EPA Method 130.2	Used for the analysis of samples for hardness in drinking, surface, and saline waters as well as domestic and industrial wastes.
EPA Method 200.2	Used to determine total recoverable analytes in groundwaters, surface waters, drinking waters in solid type of samples such as sediments, sludges, and soils.
EPA Method 300.1	Used to determine inorganic anions in reagent water, surface water, ground water, and finished drinking water.
ASTM D525	Used to determine the stability of gasoline in finished form under accelerated oxidation conditions. This method calls for the use of gum solvent to wash and rinse sample vessels and containers.

Stubborn Residue on Glassware?

Try Fisher Chemical Petroleum Cleaner

Pre-blended for your convenience and safety, Fisher Chemical™ Petroleum Cleaner is an equal-volume blend of acetone and toluene that helps clean residue from vessels and glassware after testing fuels, gasoline, and other petroleum-based samples. It's also suitable for use as gum solvent referenced in various methods, such as ASTM D525.



Description	Packaging	Cat. No.
Petroleum Cleaner	4L Glass Bottle	ST95-4

Chemicals for Karl Fischer Titration

Fisher Chemical Aqualine Reagents

Aqualine Coulometric Range: for Low Water Content (PPM Levels)

Description	Size	Cat. No.
Anolyte Solutions		
Aqualine Electrolyte A, for general use with conventional cells with a diaphragm, contains methanol and chloroform as solvents	500mL	AL2500-500
Aqualine Electrolyte AG, for general use with conventional cells with diaphragm, contains methanol as a solvent	500mL	AL2520-500
Catholyte Solution		
Aqualine Electrolyte CG, for general use with conventional cells with diaphragm, contains methanol as a solvent	25mL	AL2560-25

Chemicals for Karl Fischer Titration

Fisher Chemical Aqualine Reagents

Water Standards

Description	Size	Cat. No.
Aqualine Standard 1.0, 1mg/mL H ₂ O, amber glass ampules	10 x 4mL	AL2710-40
Aqualine Standard 5.0, 5mg/mL H ₂ O	500mL	AL2730-500
Aqualine Standard 10.0, 10mg/mL H ₂ O, amber glass ampules	10 x 8mL	AL2720-80
Aqualine Sodium Tartrate Dihydrate Standard, solid standard for volumetric analysis, contains 15.66 ± 0.05% water	100g	AL2770-100

Aqualine Volumetric Range: for High Water Content Analysis

Description	Size	Cat. No.
Single-Component Reagents		
Aqualine Complete 1, equivalent to 1mg of H ₂ O/mL	1L	AL1900-1
	2.5L	AL1900-212
Aqualine Complete 2, equivalent to 2mg of H ₂ O/mL	1L	AL1950-1
	2.5L	AL1950-212
Aqualine Complete 5, equivalent to 5mg of H ₂ O/mL	1L	AL2000-1
	2.5L	AL2000-212
	4L	AL2000-4
Reagents for Aldehydes and Ketones		
Aqualine Complete 5K, equivalent to 5mg of H ₂ O/mL	1L	AL2250R-1
Aqualine Matrix K, for use in conjunction with Complete 5K	1L	AL2300R-1
Two-Component Reagents		
Aqualine Titrant 5, equivalent to 5mg H ₂ O/mL	1L	AL2200-1
	2.5L	AL2200-212
Aqualine Solvent	1L	AL2100-1
	2.5L	AL2100-212
Aqualine Solvent CM, for samples with high hydrocarbon content	2.5L	AL2110-212



In the United States:

For customer service, call 1-800-766-7000
To fax an order, use 1-800-926-1166
To order online: fishersci.com

In Canada:

For customer service, call 1-800-234-7437
To fax an order, use 1-800-463-2996
To order online: fishersci.ca

