



Chemicals

Analytical and testing solutions

for the petrochemical industry

High-purity reagents, acids, and solvents for oil and gas testing and analysis

The Fisher Chemical™ portfolio includes more than 5,000 chemicals produced in ISO 9001:2015-compliant facilities. Available in a range of purity grades, these products undergo rigorous 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 and chemical specialists

Solvents and reagents for petrochemical analysis

Chemical products to meet the requirements for a wide range of ASTM, ISO, and other test methods, for example:

- Acid and base number determination via titration
- Bromine number determination via titration
- Chlorine content determination via titration
- Oxidative stability for gasoline
- Sulphur content determination via titration

Description	Cat. No.	Size
Acetic Acid, Glacial (Certified ACS), Fisher Chemical™	A38	2.5 L, 20 L
Acetone (Certified ACS), Fisher Chemical	A18	1 L, 4 L, 20 L, 200 L
Acetonitrile (Certified ACS), Fisher Chemical	A21	1 L, 4 L, 20 L, 200 L
Methylene Chloride (DCM) (Stabilized/Certified ACS), Fisher Chemical	D37	1 L, 4 L, 20 L, 200 L
Hydrochloric Acid 0.1M (Certified), Fisher Chemical	SA54	1 L, 4 L, 20 L
Hydrochloric Acid 1M (Certified), Fisher Chemical	SA48	1 L, 4 L, 20 L
Iso-Octane (Certified ACS), Fisher Chemical	O299	1 L, 4 L
IPA (Certified ACS), Fisher Chemical	A416	1 L, 4 L, 20 L, 200 L
Methanol (Certified ACS), Fisher Chemical	A412	1 L, 4 L, 20 L, 200 L
Hexane (Certified ACS), Fisher Chemical	H292	1 L, 4 L, 20 L, 200 L
Silver Nitrate 0.1M (Certified), Fisher Chemical	SS72	1 L, 4 L, 20 L
Sodium Hydroxide 0.1M (Certified), Fisher Chemical	SS276	1 L, 4 L, 20 L
Sodium Hydroxide 1M (Certified), Fisher Chemical	SS266	1 L, 4 L, 20 L
Toluene (Certified), Fisher Chemical	T324	1 L, 4 L, 20 L, 200 L
Xylene (Certified), Fisher Chemical	X5	1 L, 4 L, 20 L, 200 L

Fisher Chemical Optima™ grade solvents suitable for HPLC, GC and spectrophotometry analysis

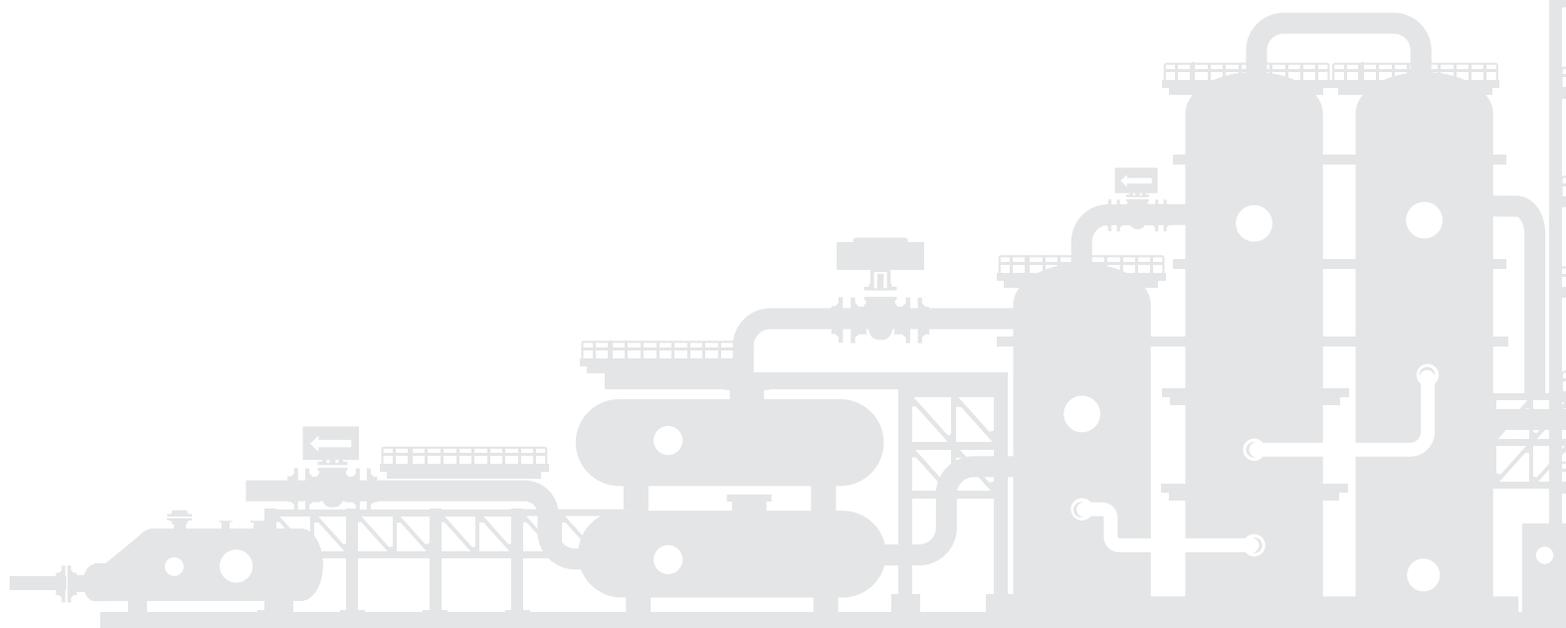
- Alcohol & aromatics content by gas chromatography or HPLC
- Distillation range by gas chromatography
- Octane number / anti-knock index determination by gas chromatography

Description	Cat. No.	Size
Acetonitrile, Fisher Chemical™ Optima™ Grade	A996	1 L, 4 L
Methylene Chloride (DCM), Fisher Chemical Optima Grade	D151	1 L, 4 L
N-Hexane 95%, Fisher Chemical Optima Grade	H306	1 L, 4 L
Iso-Octane, Fisher Chemical Optima Grade	O301	1 L, 4 L
Toluene, Fisher Chemical Optima Grade	T291	1 L, 4 L

Trace elemental analysis in fuel, lubricants and refined products using ICP-AES, ICP-OES, ICP-MS or AAS

- For analysis, ACS Plus acids: From ppm to ppb level detection (e.g. AAS)
- Trace metal acids: 0.1-1 ppb level detection (e.g. ICP-MS, ICP-OES)
- Fisher Scientific Optima™ acids: Detection level ppt to as low as ppq (e.g. ICP-MS, ICP-OES)

Description	ACS Plus™	Trace Metal	Optima™
Hydrochloric acid	A144	A508	A466
Nitric acid	A200	A509	A467
Sulfuric acid	A300	A510	A468



Thermo Scientific™ Specpure™ analytical standards

A NIST-traceable certificate of analysis is included with each standard solution. These standards are ISO 9001, ISO Guide 34, and ISO/IEC 17025.

- Thermo Scientific™ Specpure™ atomic absorption standards
- Thermo Scientific Specpure plasma standards for ICP-OES, ICP-MS, XRF
- Thermo Scientific Specpure XRF standards for petroleum products (chlorine, sulphur, lead gasoline standards)
- Thermo Scientific Specpure petroleum viscosity standards

*Refer to fishersci.com/ThermoScientificChemicals for our complete list of Thermo Scientific Specpure™ products

Polymers

- Gas chromatography headspace solvents for testing of monomers in polymers
- Molecular weight and stereochemical analysis of polymers by NMR spectroscopy

Description	Cat. No.	Size
DMAC, dimethylacetamide, GC headspace grade, Fisher Chemical	D160	1 L
DMF, dimethylformamide, GC headspace grade, Fisher Chemical	D133	1 L
DMSO, dimethyl sulfoxide, GC headspace grade, Fisher Chemical	D139	1 L
NMP, n-methylpyrrolidone, GC headspace grade, Fisher Chemical	N140	1 L
Chloroform-d, for NMR, 99.8 atom % D, Thermo Scientific™ AcroSeal™	AC42677	100 mL
Deuterium oxide, for NMR, 99.8 atom % D, Thermo Scientific AcroSeal	AC42693	100 mL
Methyl sulfoxide-d6, for NMR, 99.9 atom % D, Thermo Scientific AcroSeal	AC42694	100 mL
Trifluoroacetic acid-d, for NMR, 99.5 atom % D	AC32531	10 mL, 25 mL, 100 mL

Chemicals for Karl Fischer titration

Fisher Chemical Aqualine reagents

Fisher Chemical Aqualine™ coulometric range: for low water content (PPM levels)

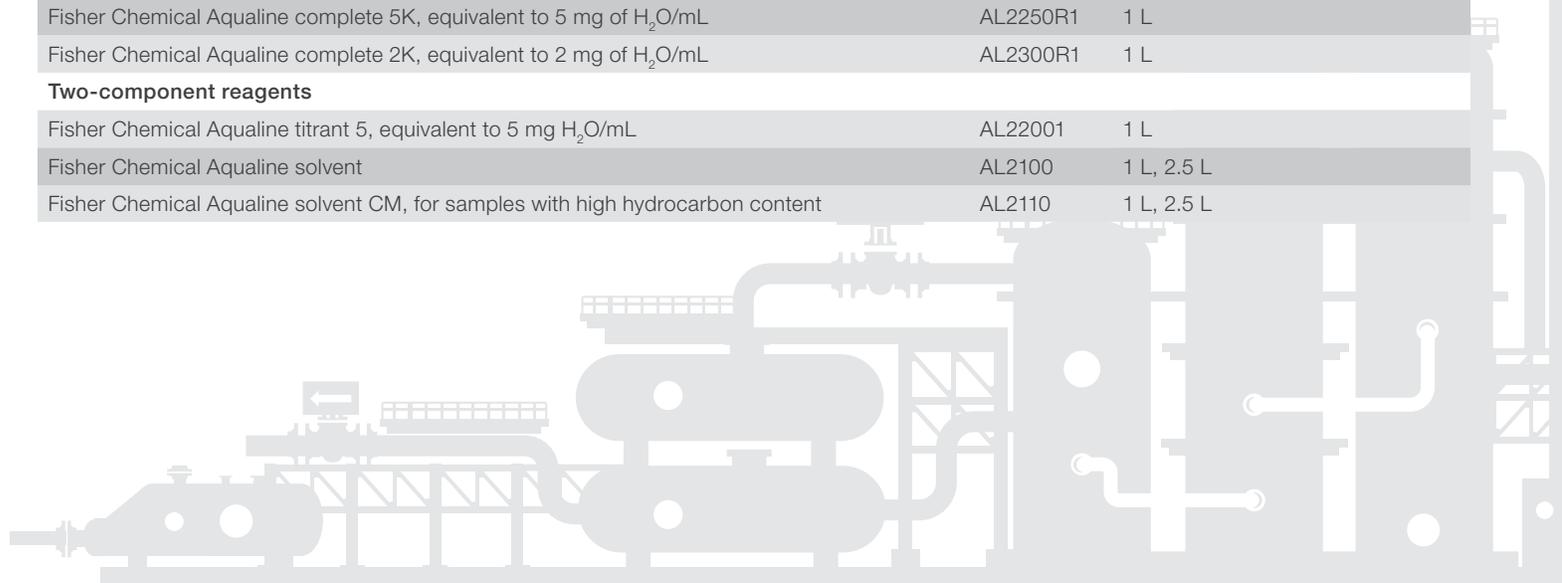
Description	Cat. No.	Size
Analyte solutions		
Fisher Chemical Aqualine™ electrolyte A, for general use with conventional cells with a diaphragm, contains methanol and chloroform as solvents	AL2500500	500 mL
Fisher Chemical Aqualine electrolyte AG, for general use with conventional cells with a diaphragm, contains methanol as a solvent	AL2520500	500 mL
Catholyte solution		
Fisher Chemical Aqualine electrolyte CG, for general use with conventional cells with a diaphragm, contains methanol as a solvent	AL256025	25 mL

Fisher Chemical Aqualine water standards

Description	Cat. No.	Size
Fisher Chemical Aqualine standard 1.0 – 1 mg/mL H ₂ O standard	AL271040	10 x 4 mL (amber glass ampules)
Fisher Chemical Aqualine standard 5.0 – 5 mg/mL H ₂ O standard	AL2730500	500 mL
Fisher Chemical Aqualine standard 10.0 – 10 mg/mL H ₂ O standard	AL272040	10 x 8 mL (amber glass ampules)
Fisher Chemical Aqualine sodium tartrate dihydrate standard – solid standard for volumetric analysis, contains 15.66 ± 0.05% water	AL2770100	100 g

Fisher Chemical Aqualine volumetric range: for high water content analysis

Description	Cat. No.	Size
Single-component reagents		
Fisher Chemical Aqualine complete 2, equivalent to 2 mg of H ₂ O/mL	AL1950	1 L, 2.5 L
Fisher Chemical Aqualine complete 5, equivalent to 5 mg of H ₂ O/mL	AL2000	1 L, 2.5 L
Reagents for aldehydes and ketones		
Fisher Chemical Aqualine complete 5K, equivalent to 5 mg of H ₂ O/mL	AL2250R1	1 L
Fisher Chemical Aqualine complete 2K, equivalent to 2 mg of H ₂ O/mL	AL2300R1	1 L
Two-component reagents		
Fisher Chemical Aqualine titrant 5, equivalent to 5 mg H ₂ O/mL	AL22001	1 L
Fisher Chemical Aqualine solvent	AL2100	1 L, 2.5 L
Fisher Chemical Aqualine solvent CM, for samples with high hydrocarbon content	AL2110	1 L, 2.5 L





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