



GREENFIELD
GLOBAL

High-Purity Analytical Solvents:

Consistent Quality for Critical Applications





Analytical Solvents that Keep Your Data Clean

High Quality for Critical Applications

Confidence from the first run. Our portfolio spans General Use HPLC, LC/MS, and distilled products (HRGC) so you can match solvent purity to method sensitivity. Each lot is tested against analytical specifications with tight controls on UV absorbance, residue, and water to help deliver stable baselines and reproducible results. With these options available, you can be confident in your analytical applications from routine QC to trace-level detection.

Proven Performance

Our HPLC grade solvents meet the purity specifications essential for reliable analytical results. Each batch undergoes rigorous quality testing to ensure consistent performance in your most critical applications.

General Use HPLC

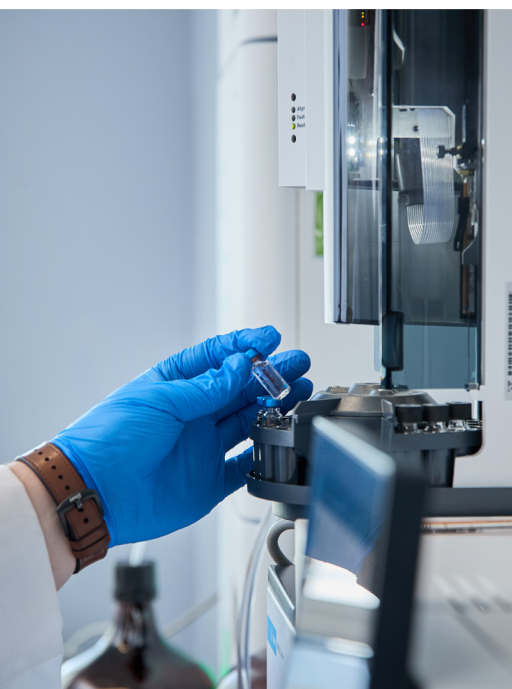
- Made to meet ACS/UV expectations for routine chromatographic work
- Fine filtered (0.2 μm) to protect systems and columns
- Recommended for method development and routine HPLC/UV where ultratrace sensitivity is not required

LC/MS Grade

- Specially purified for low chemical background with lot-to-lot consistency
- Fine filtered (0.1 μm) to help maintain system performance
- Tightly controlled UV absorbance, water, and residue; LC/MS suitability assessed on key ions (e.g., reserpine test)
- Optimized for ESI/APCI methods where clean signal and minimal suppression matter most

Distilled

- Distilled purification for very low residue and excellent UV transparency
- Submicron filtration and amber glass packaging for purity preservation
- LC/HRGC suitability and fluorescence checks support trace level applications



Quality Standards that Support **Reliable Results**

- Meets analytical specifications by grade (e.g., ACS/UV for General Use HPLC; LC/MS suitability for LC/MS; HRGC/HPLC-trace for distilled grades)
- Grade-appropriate fine filtration (up to 0.2 μm for HPLC; 0.1 μm for LC/MS and distilled grades)
- Low UV absorbance, minimal water and residue, and lot-specific documentation to support method reproducibility
- Lot traceability with COAs and supporting statements available on request

Analytical Solvent **Portfolio**

HPLC-grade Products

Product Name	CAS #	Packaging	Catalog Number
Acetone, HPLC	67-64-1	1 Gallon Fluorinated Poly	32900HPLCCSGF
		4 Liter Amber Glass	32900HPLCCS4L
Acetonitrile, HPLC, LC/MS	75-05-8	4 Liter Amber Glass	300HPLCMSCS4L
Chloroform Stabilized with Ethanol, HPLC	67-66-3	4 Liter Amber Glass	ZH30900UVHPLCCS4L
Dichloromethane, HPLC	75-09-2	4 Liter Amber Glass	31300HPLCCS4L
Ethyl Acetate, HPLC	141-78-6	1 Gallon Fluorinated Poly	33000HPLCCSGF
		4 Liter Amber Glass	33000HPLCCS4L
Ethyl Alcohol 100% (200 Proof), HPLC	64-17-15	1 Gallon Fluorinated Poly	111HPLC200CSGF
		4 Liter Amber Glass	111HPLC200CS4L
Ethyl Alcohol 95% (190 Proof), HPLC	64-17-15	1 Gallon Fluorinated Poly	111HPLC190CSGF
		4 Liter Amber Glass	111HPLC190CS4L
IPA 99%, HPLC	67-63-0	1 Gallon Fluorinated Poly	231HPLC99CSGF
		4 Liter Amber Glass	231HPLC99CS4L
Methanol, HPLC	67-56-1	1 Gallon Fluorinated Poly	33900HPLCCSGF
		4 Liter Amber Glass	33900HPLCCS4L
n-Hexane, 95%, HPLC	110-54-3	4 Liter Amber Glass	35995HPLCCS4L
Reagent Alcohol 200 Proof, HPLC		1 Gallon Fluorinated Poly	241HPLC200CSGF
		4 Liter Amber Glass	241HPLC200CS4L
Toluene, HPLC	108-88-3	1 Gallon Fluorinated Poly	34700HPLCCSGF
		4 Liter Amber Glass	34700HPLCCS4L
Water, HPLC	7732-18-5	4 Liter Amber Glass	23200HPLCCS4L



LC/MS-grade Products

Product Name	CAS #	Packaging	Catalog Number
Acetonitrile, HPLC, LC/MS	75-05-8	4 Liter Amber Glass	300HPLCMSCS4L
Methanol, LC/MS	67-56-1	4 Liter Amber Glass	ZH339000LCMSCS4L
Water, LC/MS	7732-18-5	4 Liter Amber Glass	ZH23200LCMSCS4L

Distilled Products

Product Name	CAS #	Packaging	Catalog Number
Acetone, Distilled	67-64-1	4 Liter Amber Glass	329000DISCS4L
Dichloromethane, Distilled	75-09-2	4 Liter Amber Glass	313000DISCS4L
Methanol, Distilled	67-56-1	4 Liter Amber Glass	339000DISCS4L
n-Heptane, >99%, Distilled	142-82-5	4 Liter Amber Glass	391099DISCS4L
n-Hexane, >95%, Distilled	110-54-3	4 Liter Amber Glass	359095DISCS4L

Smart Packaging with Complete Traceability

- 4L amber glass and 1 gallon fluorinated poly (product and grade dependent)
- Tamper-evident seals and lot-specific labeling for traceability
- Clear hazard and storage guidance included; additional documentation upon request

Our solutions support development across:

- **Small molecule pharmaceuticals:** Supporting synthesis and purification from upstream research to downstream manufacturing
- **Large molecule biologics:** Providing solvent and buffer solutions for protein purification processes
- **Analytical research:** HPLC-grade solvents for chromatography workflows and research scale purifications
- **Medical device:** Supplying cleaning, storage, and processing solvents

Serving customers in more than 50 countries, Greenfield fulfills over 35,000 orders annually through our integrated global supply chain, including three high-purity alcohol distilleries, four blending and packaging facilities, and eight strategic warehouse locations.

What Sets Us Apart

Quality Across the Lifecycle

We ensure the highest quality products through robust supply chain visibility, rigorous quality systems, and a commitment to addressing our life science customer needs.

- **Rigid standards:** Products available as manufactured under ISO 9001 and/or EXCiPACT certified facilities
- **Compendial testing:** USP, EP/BP, JP, ACS monographs
- **Traceability:** Full chain of custody from our GMP (IPEC-compliant) facilities to end-user manufacturing sites
- **Exceptional quality:** Products available as processed in a white room/clean room environment and tested for bioburden/endotoxin

Agile Manufacturing

We reduce the complexity of your supply chain through tailored solutions.

- Custom capabilities with exceptional quality and rapid delivery
- 30+ years of recognized experience supplying the pharma industry
- Dedicated GMP (IPEC-compliant) facilities designed for life science applications
- Antibiotic-free ethyl alcohol produced from renewable materials available
- Hazardous material expertise, including flammable and corrosive chemical blending

Infrastructure that Delivers

Our production and distribution capabilities ensure a secure, reliable supply.

- **Robust global network:** three high-purity ethyl alcohol distilleries with low carbon intensity emission scores
- **Scalable operations:** Supporting everything from pilot runs to full commercial production
- **93% perfect order index:** industry-leading performance
- **1–3-day delivery:** across North America and Europe for many products

Sustainability Leadership

We are committed to sustainable and responsible practices that minimize environmental impact and advance renewable solutions.

- Operate one of Ireland's first Near Zero Energy Building (NZEB) facilities
- Use waste heat from our Chatham, Ontario plant to heat local greenhouses, supporting circular resource use
- Source sustainable corn from 300+ growers and promote climate-friendly farming practices
- Convert municipal organic waste into renewable natural gas



Ready to ensure your analytical success?

Contact your Greenfield Global team today!



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[greenfield.com](https://www.greenfield.com)

Appropriate/legal use of all products are the responsibility of the user and subject to applicable local laws and regulations.