



**GREENFIELD**  
GLOBAL

# Quality Producer and Manufacturer of Mission Critical Life Science Materials





# ABOUT US

For more than 30 years, Greenfield Global has been a leading global producer of high-purity alcohols, specialty solvents, and custom blended solutions to businesses worldwide.

Serving customers in more than **50 countries worldwide**, Greenfield fulfills more than **35,000 orders per year** through a global supply chain, including **3 high-purity alcohol distilleries**, **5 blending and packaging facilities**, and **8 warehouses**.

## What We Do

<b>High-Purity Alcohol &amp; Solvents</b>	<b>GMP Manufacturing</b>
<b>On-Site Endotoxin &amp; Bioburden Testing</b>	<b>On-Site Quality Control</b>
<b>Transparent Supply Chain</b>	<b>Regulatory Expertise</b>

# YOUR PARTNER IN THE LIFE SCIENCE ECOSYSTEM

We produce and supply raw materials that support your sustainable production workflows for:

**SMALL MOLECULE PHARMACEUTICALS**

**LARGE MOLECULE BIOLOGICS**

**FILL AND FINISH PROCESSES**

**MEDICAL DEVICE MANUFACTURING**





## QUALITY YOU CAN TRUST

**We understand quality is paramount in the sensitive environments necessary for biologics and pharmaceutical manufacturing. To ensure you have a quality-aligned partnership, we operate under many of the same regulations and guidelines including ISO, EXCiPACT, IPEC, GMP and FDA.**

**As a direct producer of high-purity alcohol, we maintain the chain of custody from our distilleries to our GMP manufacturing facilities which allows full quality control and supply chain transparency at every step.**

- ISO 9001:2015
- EXCiPACT certified under IPEC guidelines in Portlaoise, Ireland
- On-site Quality Control and Microbial laboratories with state-of-the-art instrumentation
- On-site generation and storage for USP purified water and water for injection (WFI)
- Multi-compendial, elemental impurity, and custom testing available
- Certificates of analysis on raw materials as well as finished goods
- End-to-end supply chain with full documentation

# GMP AQUEOUS SOLUTIONS

Whether in the research and development stage, or scaling up for production, you may require products that are not readily available or you have limited resources to produce in-house.

Our team will work to understand your requirements, scaling up to deliver ready-to-use solutions just in time, allowing you to stay focused on your core operations while we handle the raw material logistics and storage, regulatory compliance challenges, and manufacturing operations.

Our Portlaoise, Ireland, location provides bioprocess solutions to global life science customers. All blends are produced in product dedicated blending venues and can be packaged in our Class 8 cleanroom. All material is released from our in-house analytical and microbial laboratory.



*Our Portlaoise, Ireland, location is an EXCiPACT certified, GMP aqueous solutions facility.*

## Custom Solutions Commonly Provided

Can be made to any concentration.

**Ethanol  
Solutions**

**Sodium Hydroxide  
Solutions**

**Sodium Chloride  
Solutions**

**Phosphoric Acid  
Solutions**

**Citric Acid  
Solutions**

**Custom Buffer  
Solutions**

# SPECIALTY SOLVENTS

These select products from our high-purity solvent portfolio are available in compendial grades including USP/NF, Ph Eur, ACS and others. Some solvents may be certified Kosher.

Acetone
Acetonitrile
Dichloromethane (DCM)
Dimethylformamide (DMF)
Ethanol*
Ethyl Acetate
Ethylene Glycol
Glycerin
Heptane
Hexane
Hexylene Glycol
Isopropyl Alcohol (IPA)**
Methanol
Methyl Ethyl Ketone (MEK)
Methyl Isobutyl Ketone (MIBK)
n-Butyl Alcohol
n-Propyl Alcohol (1-Propanol)
Petroleum Ether 35-60 ° C
Propylene Glycol (1, 2 Propanediol)
Toluene
Water
Xylene

\* any concentration from 99.99% (200 Proof) down to 15% (30 Proof) made with USP purified water or water for injection (WFI). Ethanol can be denatured.

\*\* any concentration from 99% down to 10% made with USP purified water or water for injection (WFI).



# PACKAGING SOLUTIONS

Your packaging needs will change as your operations evolve which is why we offer packaging options from bottles to full ISO tanks, including single-use bags, pails, drums, IBCs/totes and more.

Beyond container flexibility, we can provide:

- ISO cleanroom manufacturing
- Temperature control warehousing for storage
- Multi-year stability studies for materials and packaging
- Tailgate and pre-shipment samples



1 Pint or 500 mL  
Poly or Glass



1 Gallon  
Poly



4 Liter  
Amber Glass



Railcars



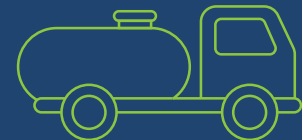
5 Gallon Pail  
Metal or Poly



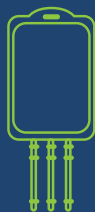
55 Gallon Drum  
Metal or Poly



270 Gallon  
Poly Tote



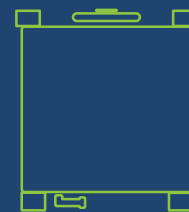
Bulk  
Tanker



Single-Use  
Bag



Stainless Steel  
Returnable  
Container



350 Gallon Steel  
Returnable Tote

Container availability may vary based on location.



# Ready to get started?

Contact your Thermo Fisher Scientific team today!

**ThermoFisher**  
SCIENTIFIC

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Pharmco by Greenfield Global products.

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