



## Specialty Chemicals Facility Overview

# Buffalo, NY

Specializing in the development and manufacturing of high quality specialty chemicals with robust capabilities in analytical services, custom manufacturing and process optimization.



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# Global Supplier of High-Purity Pharmaceutical Intermediates, APIs & Analytical Support

As part of Actylis' global network, the Buffalo facility exemplifies our commitment to delivering 'Unique Supply. Simplified.' Equipped with advanced synthesis and purification technologies, this GMP-compliant site offers full

process development and scale-up services for specialty chemicals. With strong quality systems and regulatory expertise, we provide secure, high-quality supply solutions tailored to your specific requirements.

## Chemistry Capabilities

- Reactive metals
- Hydrofluorination
- Halogenation
- Hydrogenations
- Cyanation
- Polymerizations
- Quantum Dots
- Esterifications
- Silylations
- Condensations
- Metal Oxide Nano Particles
- Carbohydrates and derivatives
- Deuterium Labelled Material

## Challenging Chemicals

- Continuous Flow Chemistry
- Toxic
- Corrosive
- Air sensitive
- Pyrophoric
- Cryogenic

## Purifications

- Extraction
- Distillation
- Solids Handling

## R&D Services

- Support for Internal and Customer's Manufacturing Operations, Technical and Efficiency Improvements
- Specialize in Customer Process and Product Development
- Benchtop and Kilo Lab Capabilities for Development and Scale-up Opportunities
- Provide FTE Chemist Capability for Customer Directed Process and Product Development
- 5 PHD Chemist On-Site

## Custom Manufacturing Capabilities

- Process Design
- Process Development
- Project Management
- Project Implementation
- Chemical processing
- Dispensing
- Mechanical Assembly
- Packaging
- 24/7 capability

## Equipment Includes

### Reactors

- 500 gallon (3), glass-lined steel
- 100 gallon (2), glass-lined steel
- 50 gallon, glass-lined steel
- 30 gallon, glass-lined steel
- 3 gallon, glass-lined steel

### Distillation

- 4" nickel column, nickel packing, 12 stages, 50 gallon nickel pot
- 6" 904SS column, 24 stages, nickel packing, 12 gallon 904SS pot
- 12" SS column, 20 stages, 92 gallon SS pot
- Multitude of glass distillation equipment that can be installed to design.

### Utilities

- Nitrogen and dry air (each to 100 psig)
- DI Water (1 Mega Ohm), LP Steam
- Heating capability up to 100 kW and 350C
- Cooling capability down to 18 tons cooling at -28C (as low as -50C on laboratory scale)

### Solids & Liquids Handling

- 0.6m<sup>2</sup> Hastelloy Nutsche filter dryer
- 20 ft<sup>3</sup> stainless steel double cone dryer
- 1 ft<sup>3</sup> double cone dryer

