A Leading Manufacturer of Small Molecule APIs and Enabling Custom Compounds

AFC is a US Based Manufacturer of Registered Intermediates and APIs
- California Facility was established in 1942
- Customers include Pharma, Biotech, and High Technology Companies
- Headquartered on a secure 13,600 acre campus at Rancho Cordova, CA
- cGMP manufacturing at three locations:
  - Rancho Cordova, CA: La Porte, TX; Petersburg, VA
- API facilities for all scales of production, commercial CS, HPAPI, and significant available capacity
- AMPAC Analytical - El Dorado Hills, CA

AFC Offers a Large Portfolio of Key Enabling Technologies over Three Sites

From RSM and Intermediate to API

Rancho Cordova CA – Headquarters
- Location: Rancho Cordova, California
- Equipment:
  - 2,000 reactors: 100, 300, 500, 750, and 2,000 gal reactor trains
  - 500 to 2,000 gal reactors (GL)
  - 300 – 1,000 gal reactors (GL)
  - Vertical basket centrifuges (Hastelloy™)
  - Tumble dryers (Hastelloy™)
- Annex: 2,000 to 5,000 gal reactors (GL)
- Technology:
  - Continuous Improvement Kaizen Culture
  - cGMP manufacturing at all scales

La Porte TX – Commercial lines
- Location: La Porte, Texas
- Equity:
  - 50, 100, 300, 500, 750, and 2,000 gal reactor trains
- Technology:
  - Continuous technology inspected and accepted by the FDA and cGMP Continuous "Zone" Reactor suite

Petersburg VA – Capacity expansion
- Location: Petersburg, Virginia
- Equipment:
  - 7 SMB Units
- Technology:
  - Demonstration Cost Reduction via Manufacturing Excellence

Continuous Improvements via Lean Manufacturing and Supply Chain management Provide Cost Reduction

AFC Offers Unique Technologies at all Scales

Multiple Azide-Rated Manufacturing Facilities
- ODS003L (CA) – 0.1 µg/m
- ODS006L (CA) – 0.5 µg/m
- South Line (CA) – 0.3 µg/m
- ODS017 (CA) – 0.2 µg/m
- ODS046 (CA) – 0.3 µg/m
- 53-Labs (VA) – 5 µg/m
- 53-Day 1 (VA) – 0.2 µg/m
- Controlled Substances Manufacturing
- Schedule II – V CS facility
- Schedule I Researcher’s License experience for Cannabis and other drug products

AFC Key Capabilities and Manufacturing Services Drive Successful Partnerships

AFC Offers Full Manufacturing Capacity and Support
- Fully equipped R&D, Kilo, OC, and Analytical Labs
- cGMP Continuous "Zone" Reactor suite
- Pilot scale production facilities: 30 - 200 gal reactors
- Small-scale High Containment facilities: Lab Scale to 50 - 200 gal reactors
- Medium-scale High Containment (1 µg/m²) facilities: 500 – 2,000 gal reactors
- Multiple Large-scale Production lines: 1,500 – 2,000 gal
- Over 158,000 gal manufacturing capacity
- Multiple SMB units:
  - Laboratory scale: various, 8 x 10 mm
  - Kilo scale: 8 x 50 mm
  - Pilot scale: 6 x 75 mm, 8 x 100/200 mm
  - Commercial units: 6 x 800 mm, 5 x 1,000 mm

AFC Rising Above Competition to Offer Added Value

AFC provides all the performance attributes expected from a cGMP CMO

AFC Can Perform SMB at all Scales

- SMB is a Binary Separation Technique
- Many application remain critical separations that can be used for complex separations
- SMB has been used for APIs for over 25 years

We are AMPAC Fine Chemicals LLC

- Strong record of Regulatory Compliance
- Maintain all necessary approvals to operate and supply cGMP products worldwide
- A strong team of renowned industry leaders
- Experts in process development and commercial production
- A portfolio of key enabling technologies
- Proven technology platform and applications of new processes
- Trusted partners with the majority of Large Pharma and BioPharma
- Reliable supply supported by multi-year agreements and continuous improvement

Recognized innovators with 75 years of chemical production heritage
- Practical application of technology to deliver quality products to save and improve lives