

AccuStandard, Inc

Company History

AccuStandard has been synthesizing Organic Chemical Reference Standards since 1986. AccuStandard also manufactures Inorganic Reference Standards and Petrochemical Reference Standards. The company has grown to 60 employees with five large, fully equipped laboratories in a modern suburban 34,000 sq ft facility in New Haven, CT, USA.

AccuStandard has earned many certifications and accreditations, including: ISO 9001:2000 for the last ten years, accreditation from the US Government, National Institute of Standards and Technology (NIST) through their NVLAP Program as a Proficiency Provider (Lab Code 200389-0) for a wide array of analytes. By rule of the US Environmental Protection Agency (EPA), AccuStandard is one of only three companies permitted to manufacture PCBs. AccuStandard is the only company to synthesize and purify all 209 individual congeners.

AccuStandard, Inc.
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Toll Free 800-442-5290 (USA)
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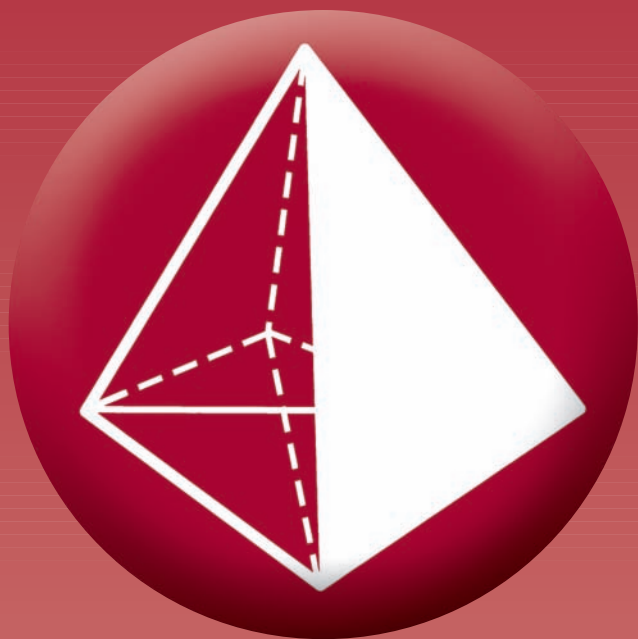
www.AccuStandard.com



NVLAP[®]
Lab Code 200389-0

Synthesis Capabilities

Chemical Reference Standards



AccuStandard[®]

For your particular needs call
Dr. Anke Gelbin or Michael Bolgar

AccuStandard

Custom Synthesis

PCBs (all 209 congeners), PBBs

Hydroxybiphenyls

Methylsulfonylbiphenyls

Nitrophenyls

Halo-Dibenzodioxins

Halo-Dibenzofurans

PAHs, Nitro-PAHs

PBDEs (over 150) & other Halobiphenylethers

Pesticides and Metabolites

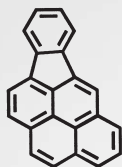
Explosives

Other Rare Chemicals

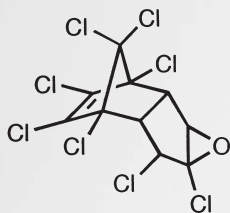
Some Examples of Compounds



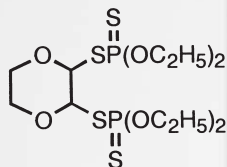
Benzo[ghi]perylene



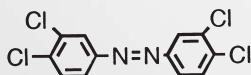
Indeno[1,2,3-cd]pyrene



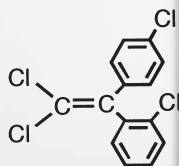
Oxychlorodane



Dioxathion



3,3',4,4'-Tetrachloroazobenzene



o,p'-DDE

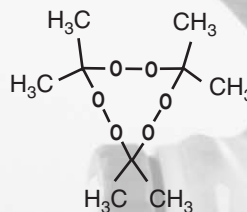
The AccuStandard Synthesis Department employs PhD Organic Chemists with many years of academic and industrial experience. The experienced staff has developed hundreds of pure chemical compounds for companies and governmental agencies around the world. The very well equipped synthetic laboratory with significant analytical support have made many notable synthesis projects possible. AccuStandard is specialized in synthesizing chemicals of high purity to be used as reference standards, but also offers custom synthesis capability on milligram to kilogram scales.

Analytical Capabilities

- ¹H-NMR spectrometer - 400 MHz
- GC-MS, GC-FID
- HPLC
- ICP
- Ion Chromatography

Synthesis and Purification

- Milligram to Kilogram Scale Glassware
- Equipment to work under N₂/Ar
- Flash and Liquid Solid Phase Chromatography (mg to 2 kg)
- Distillation Equipment – High Vacuum Distillation, Molecular Distillation (Kugelrohr), and Spinning Band Columns
- Preparative TLC
- Buechi Rotary Evaporators
- Vacuum Drying Oven
- Parr Pressure Reactor (2 L)
- Parr Hydrogenation



TATP