



Insist on more.

SUPPLY CONTINUITY

As your Active Pharmaceutical Ingredient (API) supplier, Mallinckrodt is dedicated to your complete satisfaction with everything we do. Our promise to customers is reflected in our four core values: quality, performance, supply continuity and customer service. Our global reach is unequalled in the industry, allowing us to deliver a continuous and uninterrupted supply of APIs. We want you to expect more – in fact, we insist on it.

Supply Continuity Update: Manufacturing Sites Improvements

Enhancements and improvements to our manufacturing facilities give us the ability to continue to deliver API products when and where you need them all over the world. Our commitment to continuous process improvement enables us to keep Mallinckrodt's APIs at the highest international standards for quality. Enhancements to our U.S. facilities include:

p-Aminophenol, Acetaminophen/Paracetamol

- Increased product quality assurance improves our production yield and ensures we have the products you need, when you need them.
- More efficient product and flow of the manufacturing process secures every link of our supply chain to help you meet regulatory standards.
- Our last three years of investment has increased 57% over prior years.
- Upgraded equipment and improved dust control help protect our products from contamination.

Directly Compressible Acetaminophen and Directly Compressible Ibuprofen

- More efficient product and flow of the manufacturing secures every link of our supply chain to help meet regulatory standards.
- Improved dust control procedures and increased product quality assurance during transfer and material sampling ensure product uniformity and reliability.

Controlled Substances, Stearates and Inorganics

- In 2011, Mallinckrodt moved forward with over \$19 million dollars in investments in our St. Louis Manufacturing facility to provide more efficient utilities and infrastructure. The result of this investment will be lower costs, reduced emissions and energy consumption and will serve as the groundwork for future improvements.
- Future phases of plant investments over the next three years will include improvements to our manufacturing technology so we can continue to deliver best-in-class products.
- Production will not be interrupted during these renovations, and they will improve the quality and supply reliability of these products.

At Mallinckrodt, we continue to invest in our infrastructure to ensure we remain the standard bearer for API quality and efficiency around the world. This commitment ensures you will have a stable product supply for years to come. We look forward to servicing your business as your supplier of choice.