

Naturally trusted
bio-functional
ingredients for
pharmaceutical
applications

Highly functional pharma ingredients of animal origin

Setting yourself apart

The pharmaceutical industry is gigantic and growing. In 2018 alone, global pharma revenues hit 1,200 billion USD, a figure expected to keep rising in the years ahead. Beyond sales figures, the pharma industry is vital for our health, improving or even saving the lives of billions across the world – and putting pressure on manufacturers.¹

Stand out with cth

With this huge opportunity come rising competition and immense responsibility: how can you ensure not only the efficacy, but also the quality, safety, and reliability of your pharma solution? At CTH, we're eager and equipped to help you. We understand the pressures of the industry and we're committed to supplying what you need to produce premium pharma solutions. We offer all-natural, premium ingredients, produced sustainably, extracted with expertise, and tailored to your needs – all at competitive prices due to our global scale. Together with our sister company Hepac, we're here to take your pharma solution to the next level.

Our products

Pancreas for natural Insulin

Insulin, the benchmark of diabetes medicine, is a key part of the daily routine for millions of diabetes sufferers across the world. If you are producing an insulin solution, you have a responsibility to provide high-quality, safe, reliable, and clean products. Plus, as with any

product, you want to ensure the full traceability for the raw animal material used in your insulin product. As your supplier, we aim to provide you with everything you need to ensure that the diabetic can receive premium insulin solutions: with our high-quality ingredients – derived from porcine pancreas glands – you can make a product of the highest quality.

Intestinal Mucosa for natural Heparin

Heparin is a significant blood anticoagulant and renowned life saving product, derived from porcine mucosal tissue, often used in the treatment of heart attacks. Fully safe, our premium mucosa for heparin is derived exclusively from healthy pigs from European slaughterhouses, all of which have been declared fit for human consumption, as well as being fully traceable to farm level. Together with Hepac, we are committed to improving your heparin solutions with our premium natural ingredients.

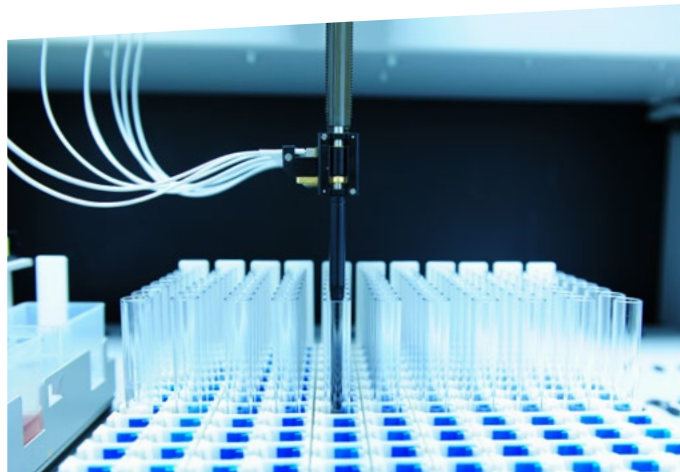
¹ Global Pharmaceutical Industry – Statistics & Facts, Matej Mikulic, Statista (<https://www.statista.com/topics/1764/global-pharmaceutical-industry/>)



and industry experience. Simply put, we are dedicated to becoming a partner you can trust: reliable, efficient, and focused on your success.

Guaranteed full traceability

As a pharma manufacturer, you know few things are more important than safe, clean pharmaceuticals. In our interconnected world, we can help you guarantee the full traceability of your solutions to your customers. Throughout our 50 years of experience in the animal materials processing industry, our production process has been perfected. With strict safety procedures, alongside a unique integration with the slaughter line, we can guarantee 100% traceability. By partnering with us, your customers will know that your pharma products are safe, reliable, and clean.



Solutions tailored to you

Just as your customers depend on your pharma solutions, we make sure you can depend on us. We know you need consistent, quick, and reliable deliveries, efficient services, and tailored products. With consistent supplies of carefully sourced and selected raw materials, as well as effective processes, we can ensure a perfect delivery every time. Our aim is to add value to your entire business by offering outstanding natural ingredients, technical expertise,

Looking after our world

Utilizing animal by-products is a sustainable activity in and of itself. This means that teaming up with CTH will automatically improve your company's sustainability performance. Beyond this, we are committed to protecting the environment, for example, by adopting sustainable production methods, and continually seeking new ways to manage resources with respect and wisdom.

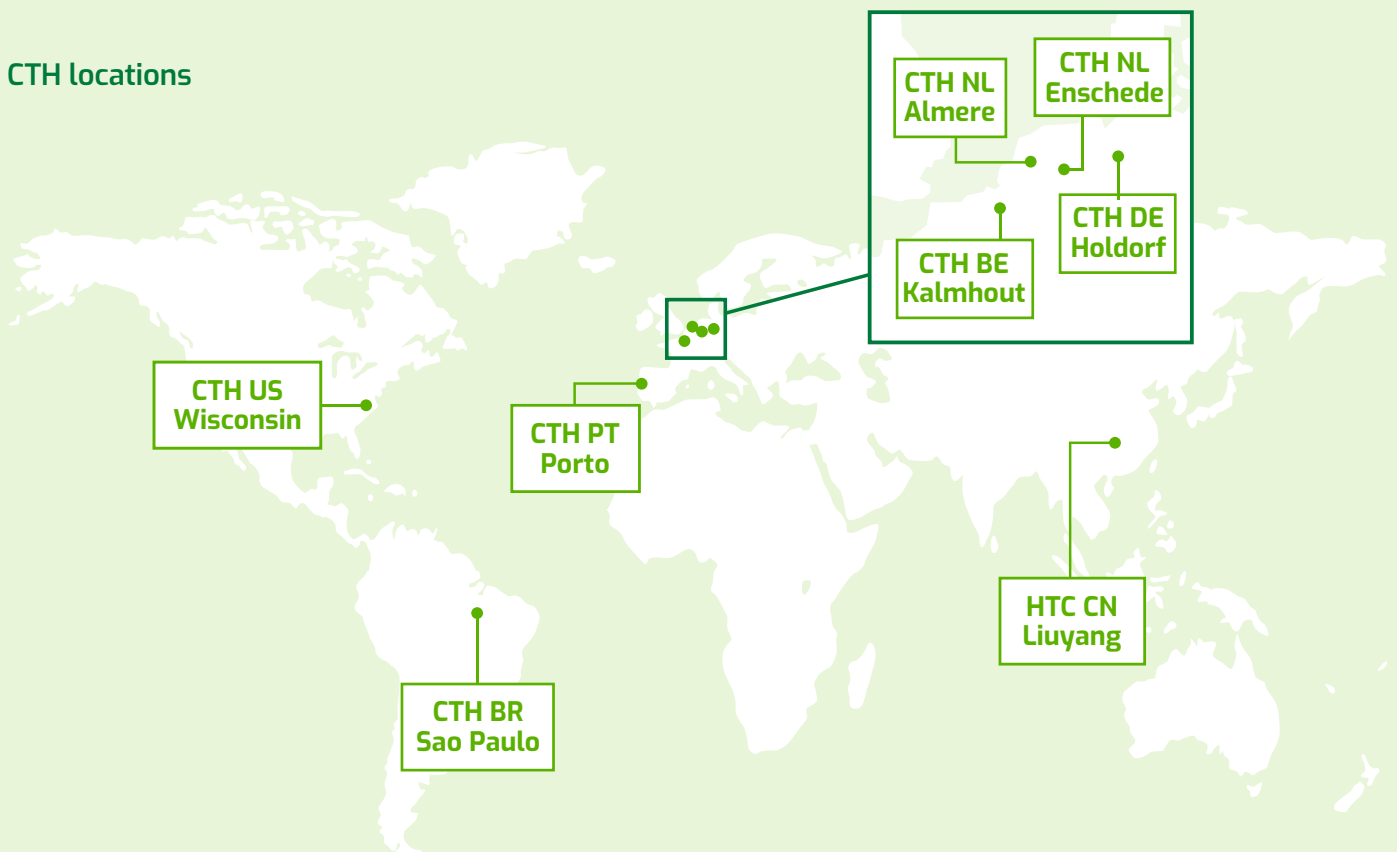
A partner you can trust

Throughout our history, we have come to understand the importance of trust. From farmer to producer and supplier to consumer, trust is a necessary part of our business. To us, it means providing you with safe, consistent, high-quality products, delivered quickly and efficiently – and making sure that with CTH you have a robust, reliable partner.

Part of Darling Ingredients

Founded in 1968 in Amsterdam, the Netherlands, CTH in 2014 became a part of Darling Ingredients, a global leader in creating value from both edible and inedible organic residuals into innovative, sustainable solutions. The natural ingredients produced by Darling Ingredients find uses in a wide variety of markets – from food, feed, and fuel to fertilizers, technical applications, pharmaceuticals, and health and beauty concepts.

CTH locations



About CTH: CTH is part of Darling Ingredients, world's largest producer of sustainable natural ingredients. The roots of Darling Ingredients go back to 1882 and over the years expanded its business to building up a wide range of products and services around the world.



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