



## ZymoChem is Breakthrough Science for a Fossil-free Future

### WHO WE ARE

ZymoChem is accelerating the transition to a real-zero economy by developing bio-based materials for everyday products without compromising Cost, Performance, Scale, or Sustainability.

Since 2015, ZymoChem has refined its processes and patented technologies to replace petroleum-ingredients and become one of the world's most efficient biomanufacturing platforms.

### WHAT WE ARE SOLVING

Materials underpinning our lives are made from fossil inputs with carbon-intense manufacturing and persist for hundreds of years, leading to global environmental and climate crises.

The +\$150Bn global hygiene market, which relies on fossil-based, non-degradable plastics in diapers and period care products, exemplifies this wasteful problem. Our first product to market, Bio-SAP, will correct this trend.

### HOW WE STAND APART

Platform Approach: ZymoChem's experienced team of 30 has developed a platform of high-performance polymers that redefine carbon footprint, end of life, and circularity for everyday products that we touch, wear, and use every day. Our process enables microbes to convert sugars and other feedstocks into a variety of chemicals including Bio-Super Absorbent Polymers (Bio-SAP), Bio-Polyurethanes, Bio-Nylons, and Bio-Plastics to compete at cost with fossil-based incumbents.

Patented, Carbon-Efficient Biomanufacturing: Protected through our multi-generational and multi-product patents, our proprietary Carbon Conserving (C<sup>2</sup>) technology converts renewable feedstocks into high-value materials producing near-zero CO<sub>2</sub> emissions during fermentation.

Superior Economics: With this efficient manufacturing, we produce bio-based products at a yield up to 50% greater than today's best-in-class bio-manufacturing, resulting in a cost advantage over fossil-based products and added value to the consumer, without sacrificing performance and minimizing the environmental impact.

Visionary Partnerships: Our Joint Development Agreements (2020 & '22) with 2 leading global chemical companies, our collaboration with the world's leading apparel maker ('22), and partnerships with 2 global hygiene product manufacturers ('22) provide us with access, resources, and scale to accelerate commercialization of internal and partnered products.

### THE IMPACT WE WILL MAKE

Our first material, **Bio-SAP**, which is a 100% bio-based and fully biodegradable, high performance absorbent polymer, will showcase how we will both excite demand in the market and monetize our operation. Because our material uses natural renewable inputs and offers superior functionality and biodegradability as demonstrated at pilot scale, it **unlocks the path to circularity** for our partners, which is considered the "Holy Grail" for the consumer hygiene industry. With viable product performance and a drop-in ingredient solution, we will serve as the **key supplier of Bio-SAP to the trade**.

Following the introduction of Bio-SAP to the hygiene market, we will leverage the versatility of the material for use in non-hygiene applications such as in Agriculture, and then introduce other high-value performance materials from our dynamic C2 Platform to the world.

### HOW TO LEARN MORE

Learn more about our high impact Leadership & Team:

**[ZymoChem.com/Our-People](https://ZymoChem.com/Our-People)**

Connect Us via Email at [Info@ZymoChem.com](mailto:Info@ZymoChem.com) or on [LinkedIn.com/Company/ZymoChem](https://www.linkedin.com/company/ZymoChem)

Our Mission: To catalyze a real-zero economy with drop-in, bio-based solutions.

Our Vision: To live in a world in which the goods we depend on everyday are bio-manufactured from 100% renewable materials and designed for a sustainable economy - without compromise.

**JOIN US**