

Cartographer™: Connect functional needs to renewable, scalable solutions

Amyris, Inc.

www.amyris.com

PRODUCT/SERVICE BACKGROUND INFORMATION

Biological systems produce structurally diverse molecules that can be difficult or impossible to create through conventional synthesis. Historically, however, limited and inconsistent supply has constrained the industry's ability to explore their commercial potential.

Amyris has spent nearly two decades closing this gap and has demonstrated commercial production of over 15 molecules through advanced precision fermentation. Beyond sustainable, high-purity alternatives to animal- and plant-sourced ingredients, the next opportunity is to make previously inaccessible biological chemistry available at industrial scale and navigate this vast chemical space to identify molecules with unique value and potential.

WHAT IS THE COMPANY INTRODUCING TO THE MARKET/INDUSTRY?

Cartographer™ is Amyris' latest innovative platform for turning a defined functional need into a renewable solution designed to scale through fermentation. Customers can bring a specific challenge—such as a performance requirement, a chemical motif or functional group, or a physicochemical property—and Cartographer™ searches thousands to millions of molecules for renewable chemistry that fits. Backed by nearly 20 years of manufacturing and scale-up experience, the platform evaluates both performance and manufacturability, prioritizing solutions with a credible path to commercial production.

HOW WILL THIS NEW PRODUCT/SERVICE IMPACT THE INDUSTRY (BENEFITS)?

Today, artificial intelligence allows Amyris to evaluate more candidates than any team could assess by traditional means. Cartographer™ scores each candidate for manufacturability using years of data and experience scaling molecules to industrial production. Cartographer has been used to characterize properties across large classes of natural molecules and semisynthetic derivatives, creating new ingredient innovation opportunities across home care, personal care, F&F, and performance materials. Combined with Amyris' biomanufacturing platform, AI property prediction and AI-assisted retrosynthesis can unlock a new generation of scalable, biomanufactured materials across markets.