

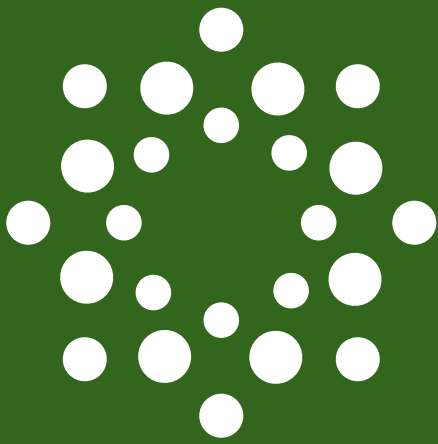


iff

Where science
& creativity meet

Empowering customers to create products
in innovative delivery forms

**DIETARY SUPPLEMENTS
SOLUTION PORTFOLIO**



PLANT-BASED SOLUTIONS FOR DIETARY SUPPLEMENTS

Portfolio of plant-based solutions provides processing advantages for producers offering consumers product features that they desire.

IFF is where science meets stability and creativity meets consistency. We develop essential dietary supplement functional ingredient solutions and provide answers that activate action so you can do what you do best.

When you mix our expertise in delivering the highest quality plant-based ingredients with our technical prowess in supplement formats, sensory technologies, and efficiency drivers, you get benefits and features you love and your consumers desire - across applications.

Whether you need “clean-label” and great tasting formats like gummies, consumer-friendly plant-based supplements, or formats that are easier to manufacture, we’re here to help every step of the way.

FOR BRAND OWNERS

Appealing to the ever-changing consumer is no easy task. From trendy health and label claims to globally diverse sensory preferences, differentiating your brand in supplements takes tenacity and agility. The good news is, we're excited to help. Drawing from the sensory capabilities and health active expertise of IFF, we can enable answers across delivery formats that address consumer desires. Plus, our decades of pharmaceutical experience ensure quality that's second to none.



Plant-Based portfolio

Appealing to vegetarian, vegan and flexitarian consumers, we offer non-GMO technologies that outperform animal alternatives and enable label claims



Technologies for enhanced functionality and convenience

Tailored speed of nutritional ingredient release to maximize benefits and convenience for consumers - from fast release for immediate effect to slow release for improved efficacy to delayed release to mask taste and protect ingredients



Sensory expertise

A global network of scientists that can fine tune your application - from the gummy with the perfect bite to soft capsules that don't stick together



Speed to market with full solutions

Tap into our capabilities in health ingredients, flavors, and formulation expertise to shorten time to market for your next product



Tailored options for your brand

We optimize our technology to offer formats in any size, shape, and color to match your brand imperatives



Vegan softgels

Our non-GMO, plant-based soft capsule technologies meet brand owners' need for diverse label claims. We help you develop capsules in a variety of capsule shapes, sizes, and colors, and enrich the product with remarkable thermal stability and quality, leading to a more appealing product for consumers.

Product we offer: SeaGel®, VERDIGEL™ SC



Convenient chewable tablets

To tackle the rise of 'pill fatigue' we can enable convenient, high-quality, melt-in-your-mouth chewable tablets. Our innovative technologies deliver creamy mouthfeel in chewable tablets for an enhanced consumption experience.

Product we offer: Avicel® CE-15



Plant-based hard capsules

We help you prioritize naturally sourced, vegetarian ingredients for hard capsules to meet consumer preferences. We also offer coatings and hydrocolloids for the perfect taste-masking or delayed release capsules that consumers will enjoy.

Product we offer: METHOCEL™ LV



On-the-go vegan supplement gummies

Our plant-based ingredients enable low-sugar, on-the-go vegan supplement gummies that stay appealing in their containers. With our pectin and seaweed extracts, we create gelatin-free products with excellent sensory experience and chewability to make high-quality gummies both adults and children will love.

Products we offer: Grindsted® Pectin PRM, Gelcarin®



More palatable, and customizable, tablets

Tablets are a ubiquitous format and we enable smaller sizes for a more palatable experience. Our technologies often do the work of several, enabling a shorter ingredient list. And our coatings solutions not only enhance swallowability, but also can be tailored to your branding needs.

Products we offer: Avicel® MCC, Endurance®, METHOCEL™, VITAL-V™



Elegant, and flavorful, liquids

IFF technologies offer superior uniformity and an elegant appearance with no sedimentation. Plus, backed by the flavor expertise of IFF, we can offer a complete package for your liquid supplement needs.

Products we offer: Avicel® RC-591, GRINDSTED® Xanthan PRM



Controlled speed of action

We partner with supplement manufacturers and brand owners to enhance extended release tablets and immediate release formulations. Our innovative celluloseics tailor the speed of dietary ingredient release to maximize benefits and convenience for consumers.

Products we offer: Accelerate®, Ac-Di-Sol®, METHOCEL™



FOR SUPPLEMENT MANUFACTURERS

When you need to always do more with less, efficiency without compromising performance, is crucial. Luckily, we love improving manufacturing processing and enhancing performance across a wide range of applications. With a passion for quality and the drive for consistency, we have the answers you need for peace of mind. Our more than 75 years' experience in pharmaceuticals means we know 'Good Manufacturing Practices' (GMP) compliance, and the most stringent quality and regulatory standards. We put that to good use in everything we do, so you can feel confident in the integrity of our products.



Efficient processing of complex formulations
Greater throughput and yields by improving processing techniques



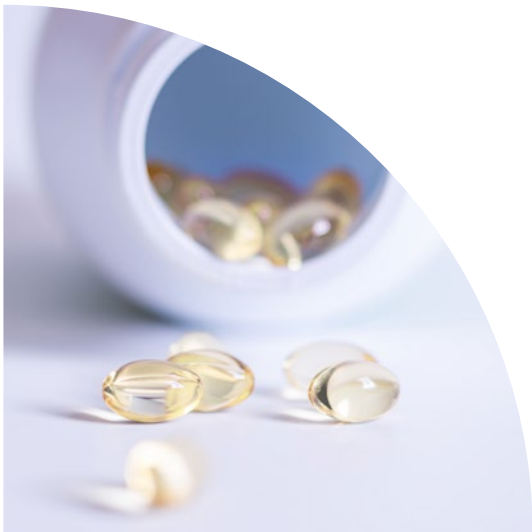
Exceptional performance characteristics
Excellent thermal stability through production, transport, and storage



Leading quality technologies
Fewer batch failures and better performance means less waste and greater cost-efficiencies



Your partner throughout the process
Fewer batch failures and better performance means less waste and greater cost-efficiencies



Strong and superior softgels

The thermal stability of our vegan soft capsule technologies outperform competing technologies and animal-based counterparts, maintaining structural integrity throughout the product life cycle. They enable up to 1.5 times higher production rates than other vegetarian technologies, up to 25% better capsule yield, and better leakage performance, leading to less waste.

Product we offer: SeaGel®, VERDIGEL™ SC



High performing hard capsules

We understand that your capsule manufacturing process requires consistency and quality. Our 60+ years' experience in cellulose enables us to tailor our products to your specific needs. With our portfolio of hydrocolloids, we can help you tailor the properties of your capsule.

Product we offer: METHOCEL™ LV



Plant-based supplement gummies

Switching to a new gummy formulation or changing from one gel former to another can represent challenges and reduce efficiency. Tap into our hydrocolloid and gummy expertise to find solutions that enable efficient production. We can also help develop heat-stable, highly efficient gelatin-free gummies with superior stability, chewability, processing and delivery.

Products we offer: Gelcarin[®], Grindsted[®] Pectin PRM



Robust, Efficient Tablets, also in Chewable Formats

Tablets are an ideal format since they're cost-effective, versatile and shelf stable. We deliver technologies to make robust tablets, while also decreasing the size and cost. Tailored solutions also enable superior chewable tablets. Our industry-leading cellulose improve powder flow and tablet quality and allow efficient direct compression processing for robust tablets with less dust formation.

Products we offer: Avicel[®] MCC, Endurance[®], METHOCEL[™], Avicel[®] CE-15



Liquids, with solid performance

IFF technologies enable superior uniformity with no sedimentation. Plus, these high-quality materials provide outstanding stability over a wide range of pH and temperature.

Products we offer: Avicel[®] RC-591, GRINDSTED[®] Xanthan PRM, TEXTURECEL[™]



Controlled speed of action

We partner with supplement manufacturers and brand owners to enhance extended release tablets and immediate release formulations. Our innovative cellulose tailor the speed of dietary ingredient release to maximize benefits and convenience for consumers.

Products we offer: Accelerate[®], Ac-Di-Sol[®], METHOCEL[™]



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