

# Dietary Supplements Solution Portfolio

Empowering customers to create products in innovative delivery forms





At DuPont Nutrition & Biosciences (N&B) we understand dietary supplements. Backed by decades of expertise and a vast portfolio of solutions, we collaborate with you to turn your ideas into shelf-ready products in a variety of dosage forms. Whether you're searching for clean label, plant-based and consumer-friendly capsules, great tasting gummies or creating smaller tablets for consumer convenience, we're here to help every step of the way:

- Collaborate through every aspect of the process – from meeting Good Manufacturing Practices (GMP) and regulatory standards to developing high-quality solutions that address even the most difficult formulation challenges in an efficient manner
- Provide naturally sourced ingredients and formulation technologies – cellulosics, seaweed extracts and pectin – to deliver enhanced performance and productivity, while guaranteeing quality, safety and sustainability
- Lend our deep technical expertise to innovate together, creating superior solutions that are convenient and aesthetic for your consumers
- Superior supply chain delivering technologies allowing your processes to run efficiently

With our 'non-GMO' and 'clean label' ingredients which help you customize sizes and shapes of the supplement dosages, provide a positive consumer sensory experience and increase nutritional ingredients within each dose, you can be confident you're putting your best performing products on the shelves with DuPont N&B by your side.

## Let's Solve.

Create outstanding dietary supplements with DuPont N&B's innovative portfolio of stable and high-quality functional ingredients. We'll deliver an enhanced experience and efficiency for supplements your consumers will love.

Together we solve all your formulation challenges to innovate market-leading products and brands.

## Sustainable and Superior Vegetarian Soft Capsules



Our non-GMO, seaweed-based soft capsule technology meets supplement manufacturers 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.

**Product we offer: SeaGel®**

## Plant-based, Sustainably Sourced Vegetarian Hard Capsules



We help you prioritize naturally sourced, vegetarian ingredients and materials to meet consumer preferences. Our experts facilitate an easier transition from gelatin to cellulose-based alternatives. Compared to gelatin, these natural alternatives have a higher melting point allowing for excellent thermal stability during transportation or storage. We offer coatings for the perfect taste-masked and high-performing vegetarian capsules that consumers will enjoy. Our pectin, gellan and carrageenan can be used as gelling agents or, to adjust capsule release properties as well.

**Product we offer: METHOCEL™ LV**

## On-the-go Vegan Supplement Gummies



Our plant-based ingredients enable manufacturers to create heat stable, low-sugar, on-the-go vegan supplement gummies. With our pectin and seaweed extracts we can enable gelatin-free gummies providing superior stability, excellent sensory experience, chewability, processing and delivery. We help you create safe, high-quality gummies both adults and children will love.

**Products we offer: Pectin, Gelcarin®**

## Convenient Chewable Tablets



Our robust portfolio and decades of knowledge support supplement manufacturers in creating convenient, high-quality, melt-in-your-mouth chewable tablets to reduce pill fatigue. DuPont N&B's innovative binder technologies deliver creamy mouthfeel in chewable tablets for an enhanced consumption experience.

**Products we offer: Avicel® CE-15, Avicel® HFE**



**Smaller Tablets Improving Consumer Acceptability**



Consumers are looking for supplements that are efficient, easy-to-swallow and deliver results. For supplement manufacturers as well, tablets are the ideal format since they're cost-effective, versatile and shelf-stable. We deliver tableting technologies to shorten the list of ingredients needed to make a robust tablet while also decreasing the size and cost. We also offer, coating solutions for enhanced swallowability and branding.

**Products we offer: Avicel® MCC, Endurance® , METHOCEL™**

**Efficient Processing of Complex Formulations**



Our comprehensive product portfolio allows dietary supplement manufacturers to deliver greater throughput and yields by improving processing techniques. We deliver innovative cellulosic solutions that enable higher-functioning supplements which improve powder flow and tableting quality and allow efficient direct compression processing and robust tablets with less dust formation.

**Products we offer: Avicel® SMCC, Avicel® DG**

**Controlled Speed of Action**



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

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

**Improve Sensory Experience**



Our seaweed extract and cellulosic-based products provide efficient taste masking functionality to tablets, hard and soft capsules.

**Products we offer: Aquateric® N100, ETHOCEL™, Aquacoat®**

## Stability of Liquids



DuPont N&B technologies enable superior content uniformity and elegant homogenous appearance with no sedimentation, as well as outstanding stability over a wide range of pH and temperatures.

**Product we offer: Avicel® RC-591**

\*Regional regulations may restrict the use of certain products in dietary supplements. Please contact us for further information.



**Nutrition & Biosciences**

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