

Reliable, GMP-Quality Production of Functional Specialty Ingredients

At Northern Diversified Solutions, we aim to provide you with the highest quality service and solutions. We source from Minnesota-based farmers to support local businesses and produce in a GMP-quality environment. We intentionally craft each functional specialty ingredient with caution, care, and accuracy for a high-quality product meeting your sensory needs. We package and deliver every order on-time and in-spec so your production process is seamless.



Empowering Brands with Tailored Hemp-Derived Solutions



Northern Diversified Solutions empowers your brand by delivering tailored hemp-derived solutions that exceed your expectations. We work with you to satisfy your specifications. With our expertise in formula optimization, accurate and efficient production, and cost analysis, we ensure your brand excels in the industry. Contact us to begin building a beneficial partnership.

[CONTACT US](#)

Creating Consumer-Centric Solutions from the Ground Up



At Northern Diversified Solutions, we value transparency and communication. The start of our process is a mixture between educating you about our services and products as well as discussing in detail with you your wants and needs, such as ideal flavor profiles and target potencies. Once we have a mutual understanding, we will explore cost analysis. Lastly, we will propose a production timeline so you can anticipate when you will receive your product on-time and in-spec.

Have Confidence in Our Crop Production Integration

At Northern Diversified Solutions, we contract with leading Midwestern growers who supply premium, fully traceable biomass cultivated with high-quality genetics. Another benefit of partnering with our growers is that we are able to guarantee you an assured supply of our popular products as well as consider price risk due to our direct access to raw materials. We strategically source our biomass in this way to minimize risk, maintain compliance, and produce superior solutions. Want to learn more about our growers? Reach out to us! Our growers love to talk to our clients about their processes.



Minimizing Supply Chain Risk with Precision & Expertise



At Northern Diversified Solutions, we are your trusted supply chain partner, delivering industry-leading specialty ingredient solutions by focusing on every stage from genetics to production. We perform in a GMP-quality environment with caution and care for our craft. Additionally, we third-party test our products and provide relevant documentation, such as a COA, with every order. We guarantee on-time, in-spec delivery given our dedication to exceeding expectations. Our calculated approach to managing supply chain risk ensures seamless operations and superior quality.

NAVIGATING INDUSTRY COMPLEXITIES WITH EXPERT PARTNERS

From launch to expansion, Northern Diversified Solutions has the ingredient science, industry applications, and technical services to expand your brand into new markets. Additionally, we can help you manage risk, reduce cost, and optimize complex value chains in the specialty ingredients sector. Connect with us to simplify your operations and grow your brand.

RESEARCH & DEVELOPMENT



A photograph of two men in a professional office setting. One man, wearing a blue shirt, is seated at a desk looking down at a laptop. The other man, wearing glasses and a dark shirt, is seated to his left, also looking at the laptop. A whiteboard in the foreground has the word 'NORTHERN' written on it. The background shows a window with a view of trees.

CONSULTING

ADVANCED R&D FOR INGREDIENT INNOVATION & PROCESS OPTIMIZATION

Northern Diversified Solutions offers rewarding R&D services that guide ingredient innovation and process optimization.

With decades of expertise in food science, we help companies solve challenges ranging from reformulation and prototyping to process improvements and application development. Partner with us to elevate your products and streamline production, ensuring success in an ever-evolving market.

OUR CLEAN, EFFICIENT, AND SAFE EXTRACTION PROCESSES

At Northern Diversified Solutions, we offer two extraction methods: ethanol and CO2. Ethanol extraction is highly effective and diverse. CO2 extraction is popular for its unparalleled consistency with minimal post-processing. Either of our extraction methods offer reliable, pristine products free of impurities.



A close-up, low-angle shot of industrial extraction equipment. It features a large, cylindrical metal component with various ports and a blue flexible hose attached. The background is blurred, showing more of the complex machinery.

EXTRACTION

PRECISE, GMP-CERTIFIED TOLLING FOR CANNABINOIDS & DISTILLATES

At Northern Diversified Solutions, our team will toll biomass into a crude oil or distillate, removed of impurities, utilizing food-grade, cryogenic alcohol. Note that we do not buy your biomass nor charge you for anything besides processing to ensure cost-efficiency in this busy market.

EMULSIONS

Emulsification is a popular technique utilized to convert oil-based cannabinoids and other molecules into water-dispersible emulsions using high-pressure technology. Our emulsions are formulated in a GMP-quality environment and particular to your wants and needs. Due to increased need in the industry, we are happy to say we offer different techniques and an assured supply of product to exceed your expectations.

CREDIBLE, HIGH-QUALITY CANNABINOID WITH GMP-QUALITY PRECISION

As the hemp industry continues to evolve, Northern Diversified Solutions emerges as a leader delivering reliable, high-quality cannabinoid-focused ingredients. Our expert team produces in a GMP facility and focuses on the precise chemistry required to meet all of your needs under one roof and distinguish your brand.

BOTANICALS





CANNABINOID

EXTRACTING RFINED BOTANICALS SUITABLE FOR VERSATILE USES

Northern Diversified Solutions strongly believes in the power of plant medicine and its health benefits. To support this, we offer distinctive botanical development and processing. Our expertise extends across a wide range of botanicals, using water, ethanol, or CO₂ extraction methods to ensure purity and potency.

INTERESTED IN OTHER GRAS STATUS INGREDIENTS?

At Northern Diversified Solutions, we value continued learning and expansion. We are interested in collaborating with you on projects involving ingredients other than cannabinoids or botanicals. From caffeine to hops to kava, we are your R&D partner and an extension of your product development team. Contact us to consult about new opportunities.

Northern Diversified Solutions sources high-quality biomass and botanicals that we manufacture into premium ingredients in a GMP-quality environment to guarantee superior products. Our team of experts deeply care about exceeding expectations to set your brand up for predictable success.





QUALITY

At Northern Diversified Solutions, safety is our top priority. In our process, we consider safety from employee to consumer, leveraging decades of food and beverage experience. We bring the standards of the global food industry to the cannabis space.

At Northern Diversified Solutions, we ensure efficacy via our consistent proven process. Your consumers will have a predictable experience with your brand every time.





EFFICACY

Northern Diversified Solutions offers Farm Bill-compliant end-to-end traceability. To ensure seamless production, we established chain of custody documentation, crisis management procedures, and obtain and keep retains of all product. Soon, we will utilize Metrc, an advanced software system that provides full traceability from growth and harvest to testing and transport. Come by and tour our facility to meet the team and see what happens behind the scenes!

KYLE MARINKOVICH, FOUNDER & CEO

With over two decades of experience leading innovative ingredient science, specifically specialty ingredients, Kyle is dedicated to driving NDS toward excellence in the cannabis industry.

RENATO KRSNIK, COO

As COO, Renato is responsible for ensuring operational accuracy, efficiency, and safety. Renato leads NDS' operations team towards excellence with foresight and precision. Renato is driven to guarantee high-quality product that exceeds expectations.

SCOTT RAVENSCROFT, VP OF BUSINESS DEVELOPMENT

Scott's expertise in business development and strategically building relationships is how NDS continues to quickly expand its reach, assisting diverse companies excel in the rapidly growing cannabis industry. Scott is passionate about bringing people together so that everyone wins.