



Clean Excipient
Solutions



Simple. Transparent. Sustainable.

"Clean label" has become a staple in the industry. Its principles are built on the consumer's desire to live a sustainable and healthy lifestyle. Mintel reports shows that 30% of US adults are looking for products with fewer ingredients and more familiar ingredients. A staggering 74% are looking for more transparency.^{1,2} This request for increased visibility creates a need to meet evolving ethical, social and environmental standards with identifiable ingredients, thereby carving a clear pathway forward in the market. Clean label sets the stage for simple, transparent and sustainable products.

We have created a guide to help you reach the market quickly with simple ingredient declarations to meet consumer demands. Connect with our nutraceutical experts to learn how to formulate your next product with solution-based ingredients.

Delivery Systems

These multifunctional excipients create simple and recognizable ingredient declarations. Their high performance and uniformity streamline the formulation to market process while taking into consideration a company's environmental and social responsibilities.

PRODUCT	COMPONENTS	APPLICATION(S)	FEATURES
NutraTab® by Innophos	Tricalcium phosphate and guar gum	<ul style="list-style-type: none"> • Hard Tablets • Chewable Tablets • Calcium Supplements 	NutraTab®, a co-processed excipient, creates smaller, more robust tablets while providing a good source of calcium and phosphorus.
A-Tab MD® by Innophos	Dicalcium phosphate and maltodextrin	<ul style="list-style-type: none"> • Hard Tablets • Calcium Supplements 	A-Tab MD®, a co-processed excipient, creates smaller tablets with better integrity and superior versatility while providing a good source of calcium and phosphorus.
SENDS by ABITEC	Medium Chain Triglycerides and other lipid-based solutions	<ul style="list-style-type: none"> • Oral Liquid • Soft Gel 	Self-Emulsifying Nutraceutical Delivery Systems (SENDS) are specifically designed to overcome solubility and permeability challenges. They can improve bioavailability, provide sustained release, taste-mask, provide a moisture barrier and lubrication. RSPO materials are available.
XactSet™ PRO & PLUS by Nitta Gelatin	Gelatin	<ul style="list-style-type: none"> • Starchless Gummies 	XactSet™ is designed to reduce usage rates and reach faster setting times with targeted viscosities. XactSet™ is compatible with other colloids to create unique textures. Addition rates up to 5% can be used in USDA Organic Products.
Unipectin™ by Cargill	Pectin	<ul style="list-style-type: none"> • Vegan Gummies (Jellies) 	Our variety of citrus-based pectins are easy to use and can provide diverse textures while supporting your formulation needs.
Advantol 300® by SPI Pharma	Blend	<ul style="list-style-type: none"> • Soft Chew • Fast-melt 	Advantol® is a robust, off-the-shelf excipient system that allows for fast product development. Simply add Advantol®, dry blend, and compress to give you a smooth mouthfeel with standard tools.
Effersoda® by SPI Pharma	Sodium Bicarbonate and Sodium Carbonate	<ul style="list-style-type: none"> • Effervescent tablets • Effervescent powder formulations 	Effersoda® can create the desired long-lasting fizz. This highly stable, surface modified sodium bicarbonate is compactible and free flowing. Effersoda® can also help reduce waste associated with pre-reacted sachets.
Pharmaburst® by SPI Pharma		<ul style="list-style-type: none"> • Orally disintegrating tablets • Orally disintegrating powders 	Pharmaburst® is an easy to use soluble matrix that is fully optimized to deliver superior organoleptic and robust, rapid orally disintegrating tablets. No binders needed.
Pharmasperse® by SPI Pharma		<ul style="list-style-type: none"> • Sachets • Stick packs 	An orally dispersible platform that is specifically engineered for the ready to manufacture orally dispersible powder (ODP). It is easy to dose, has excellent organoleptics, and consistent content uniformity.
Vitasmooth® by SPI Pharma	Calcium Carbonate	<ul style="list-style-type: none"> • Chewable Tablets • Meltaway Tablets 	Vitasmooth® is a directly compressible pre-formulated platform. Choose this product for a smooth and creamy mouthfeel, every time.



Directly Compressible Sweeteners

These recognizable directly compressible sweeteners provide superlative organoleptic properties. Since their inception they were prepared to face any formulation challenge.

PRODUCT	COMPONENTS	APPLICATION(S)	FEATURES
Mannogem® by SPI Pharma	Mannitol	<ul style="list-style-type: none"> • Swallow Tablets • Orally Disintegrating Tablets • Chewable Tablets • Lozenges • Sachets • Stick packs • Liquids • Effervescent Tablets 	Mannogem® Mannitol products offer a wide range of options for all dosage formulation applications. These products are engineered to provide customized solutions to meet your specific processing needs.
Advantose® FS 95 by SPI Pharma	Fructose and Starch	<ul style="list-style-type: none"> • Chewable Tablets 	Advantose® FS 95 is a spray-dried fructose, co-processed with a small quantity of starch, resulting in a highly compressible excipient.
Advantose® 100 by SPI Pharma	Maltose Powder	<ul style="list-style-type: none"> • Swallow Tablets • Chewable Tablets • Lozenges 	Advantose® 100 is a spray-dried maltose powder that provides excellent flow, solubility, and tableting properties for oral dosage formulations.
Compressol® SM by SPI Pharma	Maltodextrin and Sorbitol	<ul style="list-style-type: none"> • Swallow Tablets • Chewable Tablets 	Compressol SM® is a co-processed excipient designed specifically for direct compression processing of high-dose and difficult to compress formulations.

Multi-functional Carriers

These carriers will add nutritional value to your product while reducing the less desirable ingredients.

PRODUCT	COMPONENTS	APPLICATION(S)	FEATURES
FOSENCE™ by TATA NQ	Fructooligosaccharides (FOS)	<ul style="list-style-type: none"> • Sachets • Stick packs • Capsules • Powders • Gummies • Bars 	FOSENCE™ is a clinically studied and naturally sweet prebiotic fiber that can be used to replace or reduce sugars and promote digestive wellness, with zero glycemic index response. ³ Available in both liquid and powder forms.
Captex® & Nutri Sperse® by ABITEC	Medium Chain Triglycerides	<ul style="list-style-type: none"> • Sachets • Stick packs • Hard Capsules • Powders • Gummies • Bars • Soft Gels • Liquids 	Captex® liquid MCTs can provide improved bioavailability, a moisture and oxidation barrier, as well as lubrication. Nutri Sperse® powdered MCTs are easy to blend and are both cold and hot water dispersible. These RSPO Mass Balance materials are key fats that our body and brains use for energy. ⁴
SIPAL® and NATU® by Meurens Natural	Rice, Oat, Date, Fig and Prune Syrups and Solids	<ul style="list-style-type: none"> • Liquids • Bars • Gummies 	The process used for these non-refined fruit syrups allows for full traceability and the retention of their natural colour, flavours and minerals.





Antioxidants, Anti-Caking & More

PRODUCT	COMPONENTS	APPLICATION(S)	FEATURES
ACE+ by CAIF	Acerola Cherry (up to 34% Vitamin C)	<ul style="list-style-type: none"> • Liquids • Bars • Gummies • Soft Gels 	ACE+ is a natural form of Vitamin C that can help avoid spoilage by oxidation, extending the shelf life of your product.
Licrezz™ by ICL	Licorice Extract	<ul style="list-style-type: none"> • Bars • Beverages 	All-natural shelf life extender that delays oxidation, stabilizes colour and effectively reduces the development of off-flavours.
Natural Vitamin E	Natural Vitamin E	<ul style="list-style-type: none"> • Any 	Available in oil and powder, this natural vitamin works as a powerful antioxidant and a source of Vitamin E.
Rosemary Extract	Rosemary Extract	<ul style="list-style-type: none"> • Any 	Available in powder, liquid and oleoresin forms, this natural antioxidant works to extend the shelf-life of your product.
Green Tea Extract	Green Tea Extract	<ul style="list-style-type: none"> • Any 	Available in oil and powder, this powerful natural antioxidant works to reduce shelf life.

Replacement Solutions



These unique ingredients are clean solutions to replace less desirable components with friendly materials.

PRODUCT	COMPONENTS	APPLICATION(S)	FEATURES
Citrus Fiber by Ingredients by Nature	Citrus Fiber	<ul style="list-style-type: none">• Any	This 100% natural whole citrus traditional fiber works as a clean binder in tablets and as a humectant in food applications.
Trimagnesium Citrate by Jungbunzlauer	Trimagnesium Citrate	<ul style="list-style-type: none">• Powders• Sachets• Stick packs	TMC's water-binding capabilities make it an ideal desiccant to replace silicon dioxide without impacting flavour or increasing turbidity.
Natural Colours by Sensient Colors	Various	<ul style="list-style-type: none">• Any	A variety of naturally derived colours are available in various forms to meet your needs.

1. Mintel Report. FOOD AND DRINK NUTRITION CLAIMS: INCL IMPACT OF COVID-19 US, DECEMBER 2020

2. Mintel Report. May 2020. A YEAR OF INNOVATION IN VMS, 2020.

3. TATA NQ. June 2020. Sugar Reduction for Healthy Food Choices: The Why and The How! [White Paper]

4. Ota et al. Psychopharmacology (Berl), 2016. 233[21-22]:3797-3802.

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