

NUTRI SPERSE®

QUALITY NUTRITIONAL BASES

When you promise nutrition,
convenience, and optimum
performance all in one
product, you can not afford
to compromise.





With Nutri Sperse® nutritional bases as your formula's foundation, you don't have to compromise.

PGP International®, an ABF Ingredients Company, presents Nutri Sperse®, the industry's premier line of specialty lipid-based nutritional powders. This unique ingredient portfolio was designed to achieve one key purpose: to exceed your expectations for performance, nutrition, and value.

Nutri Sperse® nutritional bases are not your basic fat and oil powders. Our

products deliver up to 70% lipids derived from a selection of premium, non-hydrogenated oil sources. They are readily and reliably dispersible across a spectrum of hot and cold aqueous applications. Nutri Sperse® powders bring creamy texture and functionality to products where liquid oils are not welcome, such as dry mixes and topical applications.

WITH NUTRI SPERSE®, YOU CAN HAVE IT ALL

- Dependable functionality
- Versatile and user friendly

NUTRI
SPERSE®

WHAT MAKES NUTRI SPERSE® SO SPECIAL?

Specialty Bases from Specialty Oils

Nutri Sperse® products offer the formulation benefits of liquid or solid fat without their drawbacks. That is because we spray-dry our oils to deliver those benefits in a convenient, powdered form with proven stability and dispersibility in a variety of wet and dry applications.

Lipid based nutritional ingredients are only as strong as the oil they are made from – a principle that we put into practice with the Nutri Sperse® line. Focusing first on choosing oils whose flavors and functionality appeal to you, the customer, we then introduce an added benefit that, in today's product

development environment, no lipid-based ingredient can be without:

Because they are made with non-hydrogenated base oils, all Nutri Sperse® products are trans fat free, contributing less than 0.5% total trans fatty acids and very little saturated fat at typical usage levels.

By strategically selecting oils from non-hydrogenated sources like identity-preserved high-oleic sunflower oil, coconut and palm kernel oils rich in medium-chain triglycerides (MCTs), we maintain hydrogenation's stability and function while eliminating trans fats.

BUILD SUMPTUOUS TEXTURE AND PROVEN STABILITY INTO A MARKET BASKET FULL OF TRANS FAT FREE APPLICATIONS:

- Spice and seasoning blends
- Marinades and glazes
- Nutritional beverages
- Breadings, batters, and coatings
- Baked goods and energy bars
- Soups, sauces, and gravies
- Dry-mixes for everything from sides dishes and desserts to breads and beverages

In short, you can use Nutri Sperse® bases anywhere a stable, economical, and convenient source of free-flowing, no-trans fat is a must.



Nutri Sperse® Means “No Compromises”

We invite you to work with us to develop a formula that achieves your nutritional goals by using Nutri Sperse®. Whether you are looking for soy or dairy proteins, prebiotic additions, or a specific triglyceride profile, we have the answer for you:

- Customized protein choices
- Wide selection of high-fiber carbohydrate sources
- The premier powdered trans fat free lipid solution

Nutri Sperse® nutritional bases pack functionality, nutrition, and versatility in one simple-to-use product. Never before have your specialty lipid needs been easier to meet.

We can also help you select a Nutri Sperse® blend whose unique functionality matches your application’s needs:

- Easy dispersibility for ready-to-mix products
- Surface adhesion for topical applications
- Emulsion stability
- Shelf stability
- Color and opacity
- Smooth, creamy mouthfeel
- Mild, non-intrusive flavor



With Nutri Sperse® nutritional bases, superior selection is only the start.

CAN 70 POWDER	A spray-dried blend with 70% canola oil, CAN 70's high dispersibility and clean, slight dairy flavor make it versatile enough for use in any hot or cold nutritional base. Dried onto a non-fat dried milk carrier, it is kosher dairy and trans fat free.
CNO 50-8	With trans fat free coconut oil, prebiotic inulin fiber, and dairy protein, this nutritional powder base has it all: great flavor and creamy mouthfeel, low net carbs, a trans fat free label, and high dispersibility in beverages, sauces, gravies, and dry mixes.
HOS 70 ND POWDER	Spray-dried onto a non-dairy carrier of maltodextrin and modified starch, this versatile, trans fat free oil powder has 70% high-oleic sunflower oil content and is kosher. Use it in a wide range of dry-blend applications.
HOS 73 POWDER	Spray-dried blend of 70% high-oleic sunflower oil and buttermilk combines the nutritional and stability benefits of the former with the sweet, creamy flavor of real dairy buttermilk. This product is kosher dairy and trans fat free.
MCT 70 POWDER	Specially processed coconut and palm kernel oils yield a spray-dried lipid rich in C8 and C10 medium-chain triglycerides which are valued by processors for their mild taste and oxidative stability, and by consumers their rapidly digested energy that does not accumulate as fat. Trans fat free and kosher dairy, MCT 70 is perfect for nutritional bars, beverages, snacks, spreads, and soups.
NUTRITIONAL BASE A 5100	For clean labeling, mild taste, and optimum nutrition, Nutritional Base A 5100 is your choice in low-glycemic/high-fiber nutritional beverages and energy bars. Made with fat, protein from whey protein isolate and milk protein concentrate, and polydextrose fiber, this product is kosher dairy, trans fat free, and easily dispersed in cold or hot water.
SAF 70 POWDER	A blend of ingredients with 70% safflower oil, SAF 70 powder has been spray-dried to a convenient form for use in hot and cold water soluble applications. Its bland, mild dairy taste makes it an ideal base for nutritional products. This product is kosher dairy and trans fat free.
SOY 70 POWDER	A blend of 70% non-hydrogenated soybean oil dried onto a non fat dried milk base, this kosher dairy, trans fat free, and cold water soluble oil powder is the ideal replacement for traditional soybean-based shortening powders.
SUN 50 HP	This spray-dried blend of high-oleic sunflower oil and calcium caseinate contains 52% fat, 40% protein, and 0.5% carbohydrate. That makes it a fantastic base for high-protein, low-glycemic, and other nutrition-focused dry-mix products. This product is trans fat free and kosher dairy.
IP SUN 50 HP	SUN 50 HP in an identity-preserved version for GM-free applications.



Horchata

INGREDIENT	%
Nutri Sperse® SUN 50 HP	40.00
Granulated Sugar	34.96
PAC-STAR®	23.00
Cinnamon	2.00
Ethyl Vanillin	0.04
TOTAL	100.00



PROCEDURE:

- Mix dry ingredients until well blended.
- To reconstitute, blend 100g dry mix with 3.5 cups (795 g) water and 2 t (5 g) pure vanilla extract. Serve in a cup or glass over ice.



Low Carb Hot Cocoa

INGREDIENT	%
Nutri Sperse® CNO 50-8	63.44
De Zaan® Cocoa Powder D-23-S	31.71
Salt	2.68
Artificial Creamy Vanilla Flavor 2908	1.81
Splenda® Suralose Powder	0.33
MD90 Talin® Powder Overseal Color	0.03
TOTAL	100.00

PROCEDURE:

- Combine 1 packet (11 grams) of low carb hot cocoa blend with 168 ml (2/3 cup) of hot water and mix together with a wire whisk until well blended.

- SERVING SIZE: 11 grams
- FAT: 4.2 grams
- PROTEIN: 1.0 grams
- CARBOHYDRATES: 4.2 grams
- DIETARY FIBER: 3.5 grams

Low Carb Creamy Orange Smoothie

INGREDIENT	%
Nutri Sperse® Nutritional Base A 5100	45.00
34% Whey Protein	45.00
N&A Orange Flavor #2642	6.00
Inulin	1.54
Guar Gum, Jaguar 4500F	1.00
Beta Trim	1.00
Rhodigel Ultra Xanthan Gum	0.10
Aspartame	0.15
FD&C Yellow 5 Lake	0.10
FD&C Yellow 6 Lake	0.04
FD&C Yellow 5	0.05
FD&C Yellow 6	0.02
TOTAL	100.00

PROCEDURE:

- Combine 1 packet (42 grams) of low carb creamy orange smoothie blend with 8 oz (1 cup) of cold water and mix together with a wire whisk until well blended.

- SERVING SIZE: 42 grams
- FAT: 8.2 grams
- PROTEIN: 22.8 grams
- CARBOHYDRATES: 12.7 grams
- DIETARY FIBER: 11.2 grams



Chunky Chocolate Nut Cookies

INGREDIENT	%
STEP 1:	
Nutri Sperse® MCT 70 Powder	22.00
Inulin	3.54
Erythritol	8.00
STEP 2:	
Whole Egg	11.00
Water	1.34
Vanilla Extract	0.28
Glycerin 96% USP K	0.60
Natural Brown Sugar Flavor	0.07
Sucralose Liquid Concentrate (25%)	0.07
STEP 3:	
All-Purpose Flour	18.52
Salt	0.31
Baking Soda	0.31
STEP 4:	
Milk Chocolate Flavored Sugar-Free Chunks	24.86
Chopped Walnuts	9.10
TOTAL	100.00

PROCEDURE:

- Blend the Step 1 ingredients together in a mixing bowl on medium speed for 2 minutes.
- Add the Step 2 ingredients to the mixing bowl and blend on medium speed for 2 minutes.
- Add the Step 3 ingredients to the mixing bowl and blend on low speed for 2 minutes.
- Add the Step 4 ingredients and mix in by hand with wooden spoon until well blended.
- Shape dough into balls and press down to flatten.
- Place 2 inches apart on an ungreased cookie sheet. Bake at 350 degrees F for 10 minutes or until bottoms are lightly browned. Transfer cookies to a wire rack and let cool.



No Trans White Sauce

INGREDIENT	%
Nutri Sperse® CAN 70 Powder	44.04
Nonfat Dry Milk	30.44
All-Purpose Flour	19.97
Ohly® STT	3.82
Flour Salt	1.09
White Pepper, Ground	0.29
ProDry Worcestershire Sauce Powder 17808	0.22
ProDry Salad Mustard Powder 30914	0.13
TOTAL	100.00

PROCEDURE:

- Add the No Trans White Sauce Blend packet (61 grams) to a small saucepan.
- Add 1 cup water* (240 grams) to saucepan and blend well together with wire whisk.
- Cook and stir over medium heat until thickened and bubbly and to your desired consistency.

* Water may be adjusted based upon final application and consistency desired.



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