



# Soups, Sauces, and Dressings

Starch source: CORN (MAIZE) | TAPIOCA | POTATO

Tate & Lyle offers a wide range of highly functional modified starches, each specifically designed to assist in achieving the desired outcome in soup, sauces and dressings, whether cook-up or cold processed.

FUNCTIONALITY	TATE & LYLE STARCH SOLUTION				BENEFITS
	Cook-Up		Instant		DENETITO
Thickening	CLARIA® Elite, Plus and Essential®* CLARIA EVERLAST® 565, 575, 585* REZISTA® Max 5857, 5767	REZISTA® 375, 386 RESISTAMYL® 34X and 36X** MAXI-GEL® 617 NUSTAR® 140 THIN-N-THIK® 99	CLARIA® Instant 330, 340, 360* MERIGEL® 341, 342, 347 MIRA-GEL® 463*	MIRA-THIK® 468, 603 TENDER-JEL® 387	Retains texture under different acid, heat and shear conditions. e.g. Barbeque sauce and other sauces, spoonable salad dressings, retorted and aseptic soups
Creamy texture	CLARIA® Elite* CLARIA EVERLAST® 585*	CLARIA® Plus* DRESS'N 400 TENDERFIL® 428	CLARIA® Instant 360, 363* MIRA-SPERSE® 623	MIRA-THIK® 468, 603 TENDER-JEL® 387	Select starches offer delayed hydration and thickening rates helping to avo emulsion breakage during processing. e.g. Spoonable salad dressings
Improved gelling	CLARIA® BLISS 560, 570, 580 MERIZET® 100		CLARIA TOP-GEL®* MERIGEL® 100, 341, 342 MIRA-GEL® 463*	MIRA-THIK® 603, 468 SOFT-SET® TENDER-JEL® 387	Aids to create short, gelled texture. e.g. Mayonnaise type dressings
Emulsification	STA-MIST® 302		STAMIST® 335, 364, 716	STA-CAP® 660	Replaces emulsifiers or eggs. e.g. Vegan Mayonnaise
Easy dispersion			MERIGEL® 341, 342, 347	MIRA-SPERSE® 623, 626, 629 MIRA THIK® 603	Offers ease of dispersion, high viscosity, and no-heat preparation. e.g. Instant or dry mix soups and sauces
Surface gloss	FREEZIST® M TENDERFIL® 428		MIRA-THIK® 468, 603 MIRA-SPERSE® 623		Excellent process tolerance and improved shine on finished product. e.g. Mayonnaise type dressings, pourable dressings
Fat/sugar reduction	CREAMIZ® MAXI-GEL® 617 STA-SLIM® 143 STA-SLIM® 151		STA-SLIM® 142 STA-SLIM® 150 MIRA-MIST® 662		Provides creamy texture and mouthfeel to low fat/sugar formulations. e.g. Cream soups and sauces; reduced sugar sweet sauces
Pulp extender			PULPIZ®	REDI-TEX®	Cost reduction while maintaining pulp texture. e.g. Tomato based sauces
Filling aid	MERIZET® 100, 300* SHUR-FIL® 427, 677 Waxy #1*		MIRA-CLEER® 787 MERIGEL® 100, 300		Suspends particulates and offers low residual viscosity. e.g. Canned vegetable soup, chicken noodle soup
Long shelf-life	THIN-N-THIK® 99 RESISTAMYL® 36X** REZISTA® 682	CLARIA® EVERLAST 565, 567, 585			Offers "thin to thick" viscosity development for improved heat transfer during retort processing, reducing processing time and energy, e.g. Retorte soups and sauces and long shelf-life can packaging products.

<sup>\*</sup> Labels simply as corn, tapioca or potato starch

<sup>\*\* 34</sup>X & 36X stand for the series of product SKUs under RESISTAMYL® with different process tolerances



## **Viscosity Development**

- Heat process—From retort soups and ready meals to UHT (ultra-high-temperature) and HTST (high-temperatureshort-time) processing, the right starch is critical to the final product quality.
- **Cold process**—Our wide range of instant, or cold-water swelling, starches enables the convenience of cold processing for a variety of products, including salad dressing, instant soups and microwaveable sauces.

## **Texture Development**

- **Gelling**—Specialized starches can add to dressings and dips a set texture that is stable over the shelf life of the food product.
- **Pulpiness**—Starches can extend pulp, combining peak performance and innovation that stretch value while delivering the texture consumers crave.
- Mouthfeel improvement—A wide range of soups, sauces and dressings can be developed with starches to reduce the fat but maintain the creamy, highly indulgent texture.
- Creamy By optimizing the starch base, the perfect blend of thickness and texture can be designed.

## **Process Functionality**

- Heat and shear tolerance—Add stability to the heat, acid and shear profile of your food product.
- Specialized viscosity profiles—Starch filling aids can suspend vegetables, pasta, meats and other garnishes for optimal filling and packaging while having little residual viscosity in the finished product.
- Emulsification—Lipophilic starches provide emulsifying power in creamy dressings and sauces. Because these products can be made without eggs, vegan dressings are now possible.

#### **Finished Product Stabilization**

Add an appealing finishing touch. With starches, you can create soups, dressings and dips that taste great and are visually appetizing.

#### Clean Label

Enjoy a clean-label claim and great taste, too, with CLARIA® Functional Clean-Label Starches, which label simply as "starch", "corn starch" or "tapioca starch"\*\* yet perform similarly to modified food starches. The CLARIA® line offers a clean, neutral taste and colour comparable to modified food starches and is versatile across a broad range of applications and sophisticated processes.

## **About Tate & Lyle**

We are a leading global food and beverage ingredients and solutions supplier, with a 160-year history of ingredient innovation. Through our purpose, *Transforming Lives Through the Science of Food*, we believe that together, we can successfully grow our businesses whilst having a positive impact on society. Partner with us to create healthier, tastier and more sustainable food and beverage solutions for consumers.

The information contained should not be construed as recommending the use of Tate & Lyle's product in violation of any patent, or as warranties (expressed or implied) of non-infringement or its fitness for any particular purpose. Prospective purchasers are advised to conduct their own tests, studies and review of the intellectual property and regulatory space to determine the fitness of Tate & Lyle products for their particular purposes, product claims or specific applications.



<sup>\*\*&</sup>quot;Starch" or "maize starch" in Europe; "starch" or "corn starch" in the US, Canada, China, Australia, New Zealand and Latin America