



B to B

the TAPIOCA Expert

CLEAN LABEL - GLUTEN FREE
VEGAN - NON GMO - ORGANIC

Solve your formulation challenges with

ALLERGEN-FREE - LOW FAT
CREAMY - JUICY - TASTY - SHINY





Tipiak, the tapioca Expert



Dear Customers,
We are pleased to share with you some of the best recipes formulated by our R&D team, and using Tipiak Tapiocaline® range of tapioca texturizers.

• Clean Label Texturizer

Since 1967 Tapiocaline®, a unique clean label tapioca texturizer, is made in France with a Tipiak-exclusive production process. Tapioca closely belongs to Tipiak's DNA: the company indeed trades tapioca starches since 1835.



UNIQUE FUNCTIONALITIES

Tapiocaline® is a partially pre-gelatinized tapioca starch. It is a powerful water binder (up to 5 times its weight), which binds water at cold temperature. It develops a gel with a strong viscosity when cooked up from 60°C / 140°F. Tapiocaline® has a clean & neutral taste, transparent color, and is odorless.

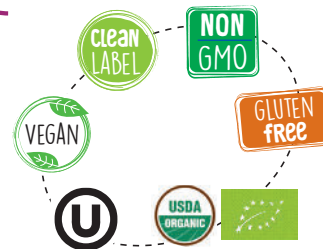


BENEFITS OF TAPIOCALINE®

• Clean Label	It enables to have an E-number free declaration
• Texture improver	It brings extra succulence, extra creaminess, extra juiciness
• Fat replacer	It helps reduce fat by up to 30%, without drying out global taste
• Cost reducer	It replaces expensive ingredient
• Process helper	It thickens dough, making it easier to mould or to convey



CLAIMS





Same process... Different benefits... for ALL applications



Declaration:
Tapioca starch



5 particle sizes ▶ 5 different effects



Finest

Coarsest

FA 517

SAUCE

Shining
Water binder
Fat reducer
Mouthfeel

CR 521

ALL

Juiciness
Water binder
Fat reducer

EX 533

MEAT

Extra juiciness
Bites binder
Pulpy effect
Fat reducer

ST 500

DESSERT

Mimic fruit seeds
Visual effect

PF 542

PETFOOD

Grain free
Palatability
Digestibility



Tapioca Exclusive Range

Tipiak also offers a complete range of Tapioca-based texturizers, with specific properties



Tapiocaline

Declaration:
Tapioca starch

Prétaline

Declaration:
Tapioca starch

Spécialine

Declaration: E1442
Modified tapioca starch

Benefits	Process helper
Functionalities	Thickens dough & sauce at cold Temperature Avoid chunk sedimentation

Benefits	Fat reducer + Texture improver
Functionalities	Resists high shearing process

Tapioca Pearls
Native Tapioca starch



APPLICATIONS

- MEAT
- SEAFOOD
- SAUCE
- DESSERT
- BAKERY
- GLUTEN FREE
- VEGETAL
- WORLD FOOD
- SENIOR FOOD
- PETFOOD



SPICY TURKEY STUFFING

• Low fat & Gluten free



BENEFITS OF TAPIOCALINE® CR 521 SG

- **Process Helper** High water binding capacity ► Meatballs easier to shape
Yield is improved
- **Fat Reducer** 30% less fat juicier & softer meatballs
- **Clean Label** Clean & Gluten Free ingredient list



PROCESS

- 1 Chop turkey meat and pig fat to grid 3 mm / 1/8 inch.
- 2 Combine all the ingredients with water, and blend.
- 3 Shape 75g / 2.5oz meatballs.
- 4 Oven-bake for 35 min at 200°C / 392°F.

Ingredients (%)	Control	Trial
Turkey leg	67.30	67.30
Pig fat	15.05	9.80
Water	14.00	18.90
Rusk	2.00	-
TAPIOCALINE® CR 521 SG	-	1.60
Wheat fibers (gluten free)	-	0.75
Salt	0.73	0.73
Dehydrated onion powder	0.60	0.60
Curry powder	0.25	0.25
Ground grey pepper	0.07	0.07
Total	100.00	100.00
<i>Yield after cooking</i>	68%	73%

Tapiocaline

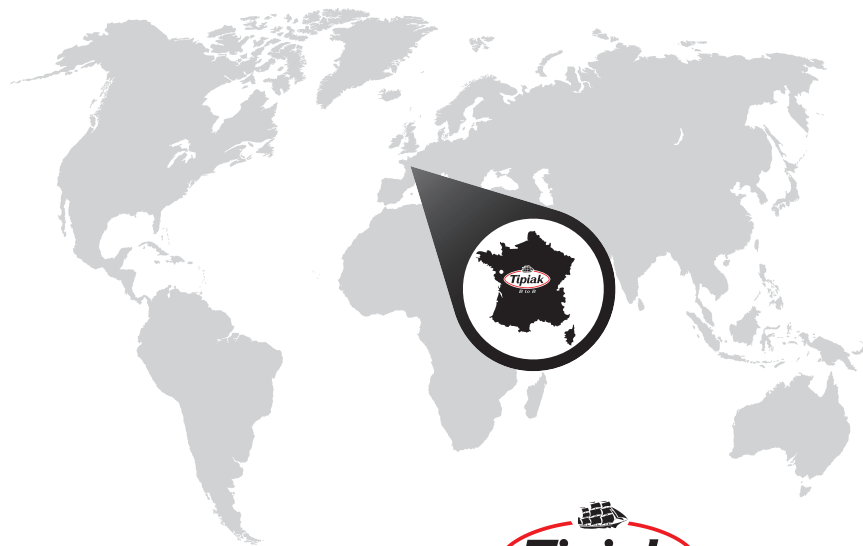


CLAIMS

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NON GMO

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Tapioca, the roots of success



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