



**HIGH PROTEIN RANGE
- BEL INDUSTRIES -**

BIANBEL SB70

FOR THE HIGH PROTEIN SECTOR

BIANBEL® SB70

Bel Industries' solution for High Protein Sports bars



- 4 types of proteins on test in a standard recipe of high protein sports bar
- 1 mix milk/vegetable + 2 milk proteins (alone or mixed) + 1 vegetable protein

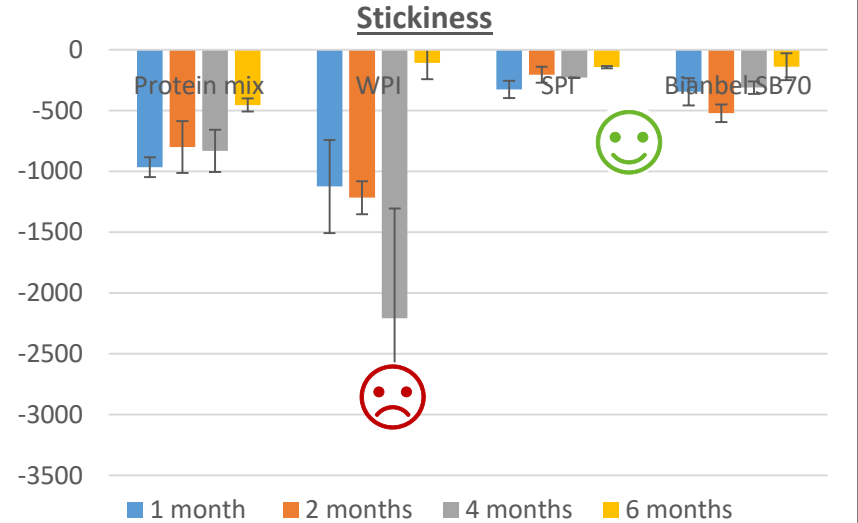
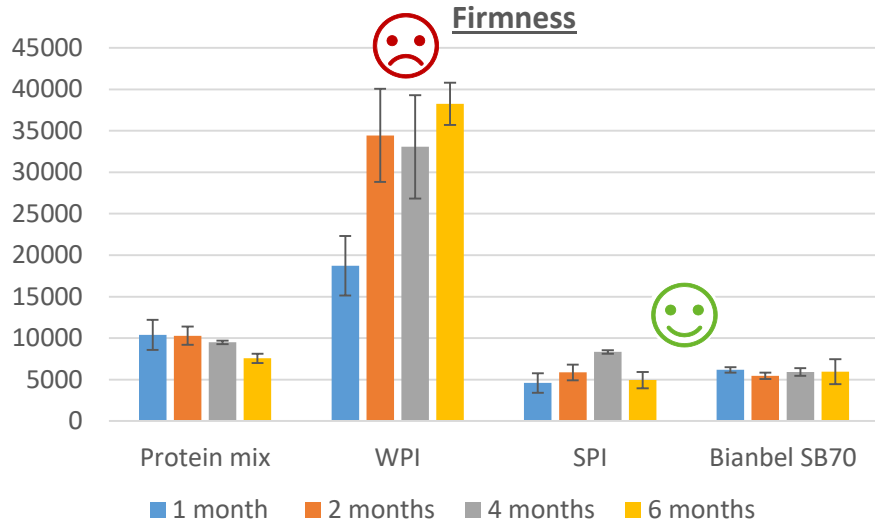
(%)	Protein mix (%)	WPI (%)	SPI (%)	BIANBEL® SB70 (%)
Calcium caseinates	22.0	-	-	-
Whey Protein Isolate (WPI)	9.0	38.0	-	-
Soy Protein (30% proteins)	5.0	-	-	-
Soy Protein Isolate (SPI)	-	-	33.0	-
Bianbel® SB70	-	-	-	41.0
Chocolate coating	18.0	18.0	18.0	18.0
Inverted sugar syrup	29.0	27.0	32.0	24.0
Oligofructose syrup	11.0	11.0	11.0	11.0
Cocoa powder (10-12% fat)	5.0	5.0	5.0	5.0
Aroma	0.5	0.5	0.5	0.5
Emulsifier (Soy lecithin)	0.5	0.5	0.5	0.5

PROTEIN	32%
FAT	8%
CARBOHYDRATES	47%
Aw	0.55 – 0.58



RESULTS

Characterization after 6 months at room temperature



- ❑ WPI : high firmness values from 1 month
- ❑ Bianbel SB70 and SPI have the lowest level of firmness and stickiness
- ❑ Bianbel SB70 : milky notes versus SPI: bitter taste (vegetable proteins)



BIANBEL® SB70

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- ✿ **Bianbel® SB70** is a blend of functional dairy proteins designed to **reduce the firmness** of high-protein sports bars.
- ✿ **Bianbel® SB70** has been functionalized to develop **controlled binding capacity** and **interface properties**.
- ✿ The final bar using **Bianbel® SB70** is homogeneous, cohesive, not sticky and does not present any crumble or off-tastes.
- ✿ **Bianbel® SB70** responds the **nutritional needs** of the athletes through the selection of complete proteins with different adsorption rates.

Declaration of the ingredient : Dairy preparation

Ingredient list : Milk proteins, whey powder, whey permeate, glucose syrup

