Herbal Protein Bar

An effective, wholesome & good for gut snack - the perfect grab on the go protein rich bar, with goodness of prebiotics.



- RICH IN PROTEIN
- PREBIOTIC FIBRES
- RICH IN DIETARY FIBRES
- GOOD FOR GUT & DIGESTIVE HEALTH
- WITH ANTIOXIDANTS & STRESS RELIVING HERBS

This product is custom made to provide beneficial and hard to get macronutrients for our body. It contains protein and prebiotic dietary fiber from FOS.

This can be produced without changing the conventional production process. **Prebiotic, Good for Gut, Herbal Protein bar makes your gut feel good and smile shine bright.**

Functional Advantages

- Good binding ability
- Masking off-notes and improved flavour delivery
- Partial or complete sugar replacement potential
- No change in process, no special equipment required
- Heat stable
- Suitable for liquid, paste, solid and powder end-product formats



Prebiotic Advantage

Fecal MIcrobial Composition
FOS increases fecal numbers of Bifidobacteria and Lactobacilli and decreases those of E.coli

Colonic Luminal pH
FOS increases volatile fatty acids which reduces intestinal pH that is detrimental to pathogenic growth

Intestinal Absorption of Minerals
FOS improve the apparent total tract digestibility of several minerals

Fecal Bacterial Metabolites
FOS increases fecal acetate, propionate butyrate, and total SCFA and reduces circulating ammonia and fecal phenol

Insulin Sensitivity
scFOS reduces basal insulin resistance, alters glucose and lipid metabolism, and improve glucose homeostasis

Immunity
scFOS supplementation has been linked with higher igM levels, an immune parameter in dogs

Specific Benefits

- **Muscle Building** — Enhanced bio-availability of amino-acids.
- **Women Nutrition** — Reduced bone loss, positive defense towards gestational diabetes, UTIs.
- **Sports Nutrition** — Sustained glycemia, reduced GI distress & improved immune-competence.
- **Geriatric Nutrition** — Improved gut barrier, regulated bowl movements improved immune-competence and over all metabolic health.

Recipe

Ingredients	Control	With FOS
Peanuts	42.32	42.32
Sugar	33.97	-
Maltitol Syrup M80	-	23.98
Whey protein concentrate (WPC80%)	10.39	10.39
FOS L95 syrup -	9.99	
Supersed-sunflower	2.80	2.80
Superseed-pumpkin	2.80	2.80
Dried cranberries	2.00	2.00
Dried goji berries	1.60	1.60
Sunflower oil	1.60	1.60
Glycerin	1.60	1.60
Ashwagandha and Green Tea Extract Blend	0.75	0.75
Citric acid	0.08	0.08
Emulsifier (Lecithin)	0.04	0.04
Vanilla flavour	0.04	0.04
Total	**100.00**	**100.00**

Nutritional Advantage

Parameter	Control	With FOS
Energy (kcal)	425.00	385.51
Total Fat (g)	20.63	20.63
Saturated Fat (g)	3.86	3.86
Trans Fat (g)	-	-
Total Carbohydrate (g)	62.87	62.87
Of which Sugars (g)	36.16	2.22
Dietary Fiber (g)	5.02	11.98
Protein (g)	19.59	19.59

About TATA NQ

Tata NQ is the nutritional solution Division of TATA Chemicals Ltd a group company of the $140 bn Tata conglomerate - offering science backed nutritional solutions through innovative ingredients, food technology service, R&D and world class manufacturing facilities.

- Only full scale Manufacturer of FOS and GOS Prebiotics in India
- Biggest Fully Integrated Manufacturer of Prebiotic Globally
- State - of - art Manufacturing Facilities in Nellore and Sriperumbudur.
- 60 Member food-tech & R&D Scientists based out of Pune Innovation Center
- Certification FSSC,FDA GRAS,Halal, Kosher, GMP
- Numerous patents & international Publication

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