

Prebiotic Enriched Energy Drink

Enjoy the good times with extreme energy good taste & healthiness of prebiotic fibers.

Boost your energy levels along with prebiotic supplementation. Presence of FOS keeps the gut in good health and improves digestion.

Taurine promotes cardiovascular health, insulin sensitivity & electrolyte balance. Caffeine provides instant alertness.

The Energy drink format is self-stable, travel-friendly, ready to grab and easy to drink. It makes a perfect solution to the fastchanging urban lifestyle.

This can be produced without changing the conventional production process.



Functional Advantages

- Great re-constititional properties.
- Improved mouth feel.
- Masking off notes & improved flavour delivery.
- Partial or complete sugar replacement potential.
- No change in the process no special equipment required.
- Compatible in liquid, paste, solid & 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 bowel movements improved immune-competence and over all metabolic health.

Recipe

Ingredients	Control	With FOS
Sugar	83.30	59.50
Glucose	6.90	6.90
FOS	-	23.80
Taurine	4.00	4.00
Caffeine	0.30	0.30
Citric acid	3.47	3.47
Orange flavour	0.45	0.45
Orange extract powder	0.80	0.80
Ascorbic acid	0.20	0.20
Xanthan	0.20	0.20
Carrageenan	0.24	0.24
Stevia	0.14	0.14
Total	100	100

Nutritional Advantage

Parameter	Control	With FOS
Energy (kcal)	380.00	335.00
Total Fat (g)	-	-
Saturated Fat (g)	-	-
Trans Fat (g)	-	-
Total Carbohydrate (g)	94.95	94.95
Of which Sugars (g)	94.51	71.32
Dietary Fiber (g)	-	22.48
Protein (g)	-	-

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 FSSCI, FDA GRAS, Halal, Kosher, GMP



Numerous patents & international Publication



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