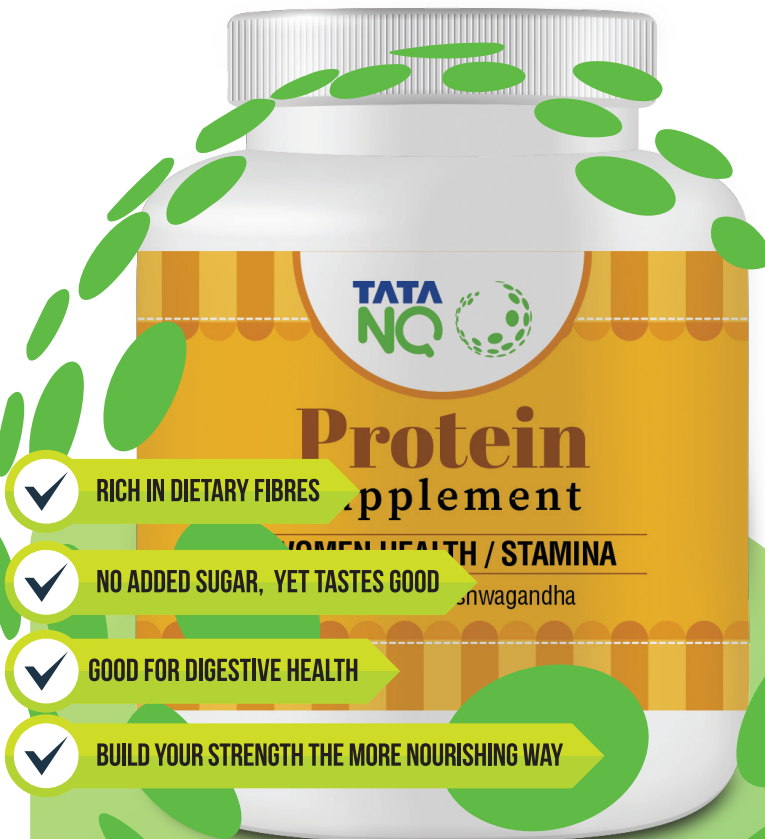


# Protein Supplement

A balanced combination of protein, prebiotics and refreshing actives.

Complete sugar is removed out and added healthy prebiotic fiber. Prebiotics help maintain good intestinal barrier which improves digestive enzymes necessary for proper digestion and protein absorption. The natural antioxidants present in Ashwagandha help in improving the overall wellbeing in addition to its fat burning properties.



## Functional Advantages

- Good reconstitution properties.
- Improved mouth feel.
- Masking off notes & improved flavour delivery.
- Complete sugar replacement potential.
- No change in the process no special equipment required.



## 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

sc-FOS reduces basal insulin resistance, alters glucose and lipid metabolism, and improve glucose homeostasis

### Immunity

sc-FOS supplementation has been linked with higher IgM levels, an immune parameter

## 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              | %             |
|--------------------------|---------------|
| Whey protein Isolate     | 75            |
| Whey protein concentrate | 0             |
| Skim milk powder         | 9             |
| Sugar                    | 0             |
| Stevia                   | 0.06          |
| Fos                      | 9.18          |
| Flavour powder           | 5             |
| Xanthangum               | 0.08          |
| Salt                     | 0.2           |
| Soy lecithin             | 0.2           |
| Ashwagandha              | 0.1           |
| cinnamon/coffee          | 0.8           |
| chocoilate flv           | 0.4           |
| <b>Total</b>             | <b>100.02</b> |

## Nutritional Advantage

| Parameter              | Approximate Nutrition values <sup>1</sup> per 100 g |
|------------------------|-----------------------------------------------------|
| Energy (kcal)*         | 322                                                 |
| Total Fat (g)          | 0.01                                                |
| Total Carbohydrate (g) | 13.77                                               |
| of which Sugar (g)     | 0.51                                                |
| Total Fibre (g)        | 8.67                                                |
| Protein (g)            | 70.92                                               |

## About TATA NQ

Tata NQ is the Nutritional Solutions 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 Manufacturer, using whole cell technology



State - of the 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



TATA CHEMICALS LIMITED

### TATA CHEMICALS LIMITED

Leela Business Park, Andheri Kurla Road, Andheri East, Mumbai - 400 059. Maharashtra, India

CONTACT US: Phone +91 -22 - 66437400 Mail us: [nutra@tatachemicals.com](mailto:nutra@tatachemicals.com)

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