

Product Information Sheet
Mung Protein Isolate (MPI 80)

Mung Protein Isolate (**MPI 80**) is a high-quality protein isolate derived from non-GMO green Mung Beans. **MPI 80** is a non-GMO plant-based protein free from allergens, additives and gluten.

MPI 80 is having following properties:

- Neutral taste and aroma
- Good gelling
- High foam formation
- Good water solubility
- High emulsifying properties

MPI 80 can be used as a source of plant-based protein in beverages, snacks, cereals, meat and dairy foods alternatives.

MPI 80 (unopened bags) must store at cool and dry place. Shelf life is 24 months under prescribed storage conditions.

Parameters	Unit of Measurement	Value
Appearance	Visual	Creamish powder, hygroscopic
Crude protein on dry basis	%	≥80.0
Moisture	%	≤6.0
Fat	%	≤6.0
Ash	%	<8.0
pH	pH	6.5-9.0
Carbohydrates	%	<15.0
Microbiology		
Total plate count	cfu/g	<10000
Yeast & mold	cfu/g	<200
E. coli	cfu/g	Absent
Salmonella	cfu/g	Absent
S. aureus	cfu/g	Absent
Heavy Metals		
Lead (Pb)	mg/Kg	<1.0
Arsenic (As)	mg/Kg	<0.2
Cadmium (Cd)	mg/Kg	<0.5
Mercury (Hg)	mg/Kg	<0.1
Tin (Sn)	mg/Kg	<0.1

Nutritional Profile (per 100 g)		
Energy	Kcal	392
Fat	g	1.72
Carbohydrates	g	13.68
Protein	g	80.1
Sodium	mg	124.5
Calcium	mg	335.4
Magnesium	mg	550
Potassium	mg	3975
Zinc	mg	2.71
Copper	mg	3.98
Iron	mg	29.0
Manganese	mg	5.97
Amino Acid Profile (per 100 g)		
Lysine	g	6.71
Methionine	g	1.4
Phenylalanine	g	6.0
Isoleucine	g	3.6
Leucine	g	7.59
Proline	g	4.42
Threonine	g	4.61
Glutamic acid	g	21.0
Histidine	g	2.78
Alanine	g	4.39
Cysteine + Cystine	g	2.1
Glycine	g	3.92
Aspartic acid	g	12.0
Valine	g	4.8
Serine	g	5.9
Arginine	g	4.9

Remark: Test methods are based on AOAC, FDA-BAM, ASTM, FSSAI & IS.