

**HEXAGON NUTRITION***Nutritionally Yours.....*

Plot No. B 11, Phase I, MEPZ-SEZ, Tambaram, Chennai –600045, INDIA.

**SPECIFICATION***Product Information*

Material Name : FORTIVIT-BKY-148 (Version 03)  
Product category : MICRONUTRIENT PREMIX  
Application : BISCUIT FORTIFICATION

*Shelf Life*

12 months from the date of manufacture under proper storage conditions.

*Dosage (Rate of Addition)*

40mg of premix per 100g of product/ 40g of premix per 100Kg of product

*Physical parameters*

Parameters	SPECIFICATIONS
Appearance	Characteristic color powder.
Odor	Characteristic Odor
Identification	Passes tests for Iron, Vitamin B1, Vitamin B2, Vitamin B3 and Vitamin B12.

*Nutrient Composition and levels per 40mg of premix*

Nutrient	Ingredients	Unit	Nutrient claim per 40mg of premix	
			Target	Maximum
Iron	Ferric pyrophosphate	mg	4.5	5.49
Vitamin B1	Thiamin Hydrochloride	mg	0.42	0.55
Vitamin B2	Riboflavin fine powder	mg	0.62	0.81
Vitamin B3	Niacin	mg	6.64	10.29
Vitamin B12	Vitamin B12 0.1% starch	mcg	0.83	1.56
Starch (as carrier)			Q. S	

Prepared by  
*Shreeha* 27/01/2024  
Executive - R&D

Reviewed by  
For *M.S.P* 27/01/2024  
Executive - R&D



Approved by  
*H. S. S.* 27/01/2024  
Head - R&D



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*Microbiological analysis requirement*

Criteria	Limits
Total Plate count	Less than 1000CFU/10g
Yeast and Molds	Less than 100CFU/10g
Coliforms	Less than 10CFU/10g
Enterobacteriaceae	Less than 10CFU/10g
Salmonella	Should be absent/25g
Coagulase Positive Staphylococcus	Less than 100CFU/10g

*Heavy metals*

Criteria	Limits
Lead (Pb)	NMT 2.0PPM
Arsenic (As)	NMT 1.0PPM
Cadmium (Cd)	NMT 1.0 PPM
Mercury (Hg)	NMT 0.05PPM
Antimony (Sb)	NMT 1.0PPM

*Allergens*

ALLERGEN	STATUS	ALLERGEN	STATUS	ALLERGEN	STATUS
Nuts	X	Sesame seeds and products	X	Egg/Egg products	X
Crustaceans and products	X	Mustard and products	X	Peanuts and products	X
Lupin and products	X	Molluscs and products	X	Celery and products	X
Sulphur dioxide and sulphites	X	Soybeans and products	X	Fish and products	X
Milk and products (incl. Lactose)	X	Cereals containing gluten and products	X	"√" = part of the recipe "X" = not a part of the recipe	

Prepared by  
*Saretha*  
Executive - R&D 27/01/2024

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For *M.S.P*  
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Approved by  
*H. Jeyaraj*  
Head R&D 27/01/2024





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## SPECIFICATION

### Product Information

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### GMO Declaration

We hereby confirm that this material does not consist of genetically modified organism (GMO) and is neither derived from genetically modified raw ingredients nor manufactured with genetically modified materials.

### Handling & Usage

Avoid any contact with the substances, wear protective clothing and ventilation is recommended.

### Storage

Storage conditions: Store in cool, dry and hygienic place. Protect from direct sunlight

### Packaging Information

Primary packaging - 25 kg Tri-laminated Aluminium pouch  
Secondary Packaging -5 ply corrugated Shipper

### Certification

Hexagon Nutrition is FSSC 22000, ISO 9001:2015 certified.

Country of Manufacture: India

Prepared by  
*Goetha*  
Executive – R&D 27/01/2024

Reviewed by  
For *M.S.*  
Executive – R&D 27/01/2024



Approved by  
*J.P.*  
Head – R&D 27/01/2024