



TECHNICAL DATA SHEET

Total Pages : 02

Product Name	Free Lutein Powder		
Product Code	Free Lutein 70P	Product Brand	
Revision No	01	Analysis Date	09/01/2023

Description**Description**

Lute-Ox is a natural ingredient extracted from flowers of Targets erecta. It is standardized to different grades with Lutein and Zeaxanthin by HPLC in free and esterified forms. Lutein and zeaxanthin are macular carotenoids reported to improve vision and cognitive performance. Lute-Ox in complex form has shown improved bioavailability in In-vitro studies compared to normal lutein.

Assay**Description**

Free Lutein Powder is enriched with Targets erecta.

Ingredients

Lutein

Description	Lower Limit	Upper Limit	UOM
Content of Free Lutein	70 %	-	%
Content of Zeaxanthin	6 %	-	%

Description	Specification
Appearance	Orange to Dark Orange Powder
Particle size	100 % passing through 20 mesh
Loss on drying	NMT 5 %
bulk density (Tapped)	0.2-0.3 g/ml

Description	Lower Limit	Upper Limit	UOM
Total plate count	-	10000	cfu/g
Total Yeast and Mold count	-	1000	cfu/g
E.coli	-	Absent	cfu/10g
Coliforms	-	Absent	cfu/10g
Salmonella	-	Absent	cfu/10g
Pseudomonas aeruginosa	-	Absent	cfu/10g
Staphylococcus aureus	-	Absent	cfu/10g



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Description	Lower Limit	Upper Limit	UOM
Lead as Pb	-	5	ppm
Cadmium as Cd	-	1	ppm
Arsenic as As	-	3	ppm
Mercury as Hg	-	1	ppm
Residual solvents tested as per USP	Comply with USP limits		USP
Pesticide residues tested as per USP	Comply with USP limits		

Description	Shelf life from mfg. date	UOM
Shelf Life	18	Months

Description
Storage requirement - : Store in a cool and dry place, in closed air-tight conditions, away from moisture and direct sunlight and heat.

Description
Country of Origin – India

Description
Packaging - Product is available in 5/ 25 Kg Drum. Other Pack sizes are available on customer's request.

Description
Applications – Free Lutein 70P can be used as ingredient in Nutraceuticals, food and beverage industry, pharmaceutical, and cosmetic industry.

Description
Disclaimer This Product Data Sheet contains information based on our laboratory analysis at Matrix Life Science Private Limited, Paithan MIDC, Aurangabad, Maharashtra, India. We assume no responsibility with regards to the suitability of the products for any specific purposes intended by the user. Recommendations for use and applications of the product are given for information purpose only. These suggestions do not release customers for conducting the necessary tests as suitability of the product is dependent on the characteristics of the intended process. The user of the product is solely responsible for compliance with all laws and regulations applied to the use of the product, including intellectual property rights of third parties. The information represent typical values, analytical methods are available at customers request.



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