

## PRODUCT SPECIFICATION

<b>INCI/Botanical Name</b>	<i>DAUCUS CAROTA (B-CAROTENE)</i>	<b>Common Name</b>	Natural $\beta$ - Carotene Extract
<b>Parts of Plant</b>	Root	<b>Reference Standard</b>	---
<b>Extraction solvent</b>	---	<b>Carrier</b>	---
<b>Colour Shade</b>	Yellow To Orange	<b>Color Code</b>	---
<b>Batch Size</b>	100 kg	<b>Expiry</b>	July- 2027
<b>Origin</b>	India/China	<b>CAS No</b>	84929-61-3
<b>HSN Code</b>	29362100	<b>Application &amp; Uses:</b> Food/Pharmaceutical/Cosmetology	
TEST		SPECIFICATION	
A. Physical Parameters:		METHOD	
<b>Appearance</b>	Free Flowing powder	Visual	
<b>Color</b>	Yellow To Orange	Organoleptic	
<b>Odor</b>	Characteristics	Organoleptic	
<b>Taste</b>	Characteristics	Organoleptic	
<b>Loss On Drying</b>	NMT 5.0%w/w	USP 731 EP2.2.32	
<b>Particle Size</b>			
<b>80 Mesh</b>	NMT 90%w/w	Screen	
<b>40 Mesh</b>	NMT 100%w/w	Screen	
B. Active Ingredients:			
<b>Total Carotenoids</b>	NLT 1.0 %/ 10% / 30% w/w	UV	
<b><math>\beta</math>- carotene</b>	NLT 1.0% / 10% / 30% w/w	HPLC	
C. Heavy Metals			
<b>Heavy metals as (BP)</b>	NMT 10ppm	USP 231 II EP2.2.32	
<b>Arsenic (as AS)</b>	NMT 3ppm	USP 231III EP2.4.2	
D. Microbiological Test:			
<b>Total Plate Count</b>	NMT 1000cfu/g	USP 2021 EP2.6.12	
<b>Total Yeast &amp; Mold Count</b>	NMT 100cfu/g	USP 2021 EP2.6.12	
<b>Entrobacterial</b>	NMT 10cfu/g	USP 2021 EP2.6.13	
E. Pathogen			
<b>Salmonella</b>	Not Detective / 25g	USP 2021 EP2.6.13	
<b>Escherichia Coli</b>	Not Detective / 25g	USP 2021 EP2.6.13	
<b>Staphylococcus</b>	Not Detective / 25g	USP 2021 EP2.6.13	
F. Other:			
Standard Packing: 25 Kg in single HDPE Container.			
The material is free from Allergens / GMO/ BSE - TSE.			
The material is not tested on animals.			
The material is non-irradiated & not treated with ETO.			
The above material complies with in-house specifications.			
Store in a cool and dry place away from sunlight and heat. The preferred storage is below 30°C.			
THE PRODUCT IS OF HERBAL ORIGIN, THERE MAY BE MINOR COLOR DIFFERENCE DUE TO GEOGRAPHICAL AND SEASONAL VARIATION OF THE PLANT MATERIAL			

Analysis by

Approved by

