

R1-0337  
R-12388  
11-29-21

**CERTIFICATE OF ANALYSIS**

QUALITY CONTROL DEPARTMENT	
Product Name	LYCOPENE 5%
Product Code	CESL01
Batch Number	KVN/LYC/21/1101
AR Number	KVN/FP/2111/1801
Date of Manufacture	Nov, 2021
Date of Expiry	Oct, 2024
Quantity	25.0 Kg

Botanical Name	<i>Solanum lycopersicum</i>
Plant part	Fruits
Standardization	Lycopene

S. No.	Parameters	Result	Specification	Method
<b>Physical</b>				
1	Description	Complies	Thick Red color powder with characteristic odor	Visual /Organoleptic
2	Identification	Complies	To comply by TLC	KVN/QC/STP-IN/023
3	Loss on drying	3.12%	NMT 5.0%	USP <731>
4	Tapped Bulk density	0.61 g/ml	0.4- 0.8 g/ml	USP <616>
Sieve test (passes through)				
5	# 40 mesh	100.0%	NLT 95.0%w/w	USP <786>
<b>Chemical</b>				
6	Assay By UV Content of Lycopene	5.8%	NLT 5.0 % w/w on dry basis	KVN/QC/STP- IN/023
<b>Others</b>				
7	<b>Heavy Metals</b>			
	Heavy Metals	1.86 ppm	NMT 10.0 ppm	ICP - OES
	Lead	0.48 ppm	NMT 3.0ppm	ICP-OES
	Arsenic	0.02 ppm	NMT 1.0ppm	ICP-OES
	Cadmium	0.01 ppm	NMT 1.0 ppm	ICP-OES
	Mercury	0.01 ppm	NMT 0.1ppm	ICP-OES
8	Residual solvents	Complies	To comply as per ICH/USP	USP <467>
9	Residual Pesticides	Complies	To comply as per USP for Botanicals	USP <561>

**CERTIFICATE OF ANALYSIS**

QUALITY CONTROL DEPARTMENT	
Product Name	LYCOPENE 5%
Product Code	CESL01
Batch Number	KVN/LYC/21/1101
AR Number	KVN/FP/2111/1801
Date of Manufacture	Nov, 2021
Date of Expiry	Oct, 2024
Quantity	25.0 Kg

Microbiological Profile				
10	Total plate count	390cfu/g	NMT 3000cfu/g	USP <2021>
	Yeast and molds count	<10cfu/g	NMT 100cfu/g	USP <2021>
	Escherichia coli	Absent	Absent /10g	USP <2022>
	Salmonella	Absent	Absent /10g	USP <2022>
	Staphylococcus aureus	Absent	Absent /10g	USP <2022>
	Pseudomonas aeruginosa	Absent	Absent /10g	USP <62>

Additional Information	
Storage Condition	Store at room temperature
Allergen Statement	Free from Allergen
GMO status	GMO free
Sanitizing treatment	Non irradiated and Non treated with ETO
Manufactured by	<b>K V Natural Ingredients Pvt. Ltd.,</b> 3-6-475, Himayatnagar Main road, Beside HDFC bank, Hyderabad-500029, Telangana, India
Since the product is derived from Natural origin, there is likely to be minor color variation because of the geographical and seasonal variations of the source of raw material	

Analyzed by	Checked by	Approved by
Mr. E. Ramakanth	Mr. M. Ganesh	Dr. Vijay Kumar. K
		 