

# CERTIFICATE OF ANALYSIS

## Product and Batch Informations

TOMATO LYCOPENE 10%

ref: LYCO10001

Latin name	<i>Lycopersicon esculentum</i>	Plant part	Fruit
Solvent (%)	10% Water / 90% Ethanol	Carrier (%)	20% maltodextrin
Extract ratio	80/1	Country of plant origin	Asia
Batch	20210515	Country of manufacturing	Asia
MF date	15/05/2021	Expiration date	14/05/2023

ANALYSIS ITEM	SPECIFICATION	RESULT	TEST METHOD
<b>Active Ingredients/Substance to control</b>			
Assay	NLT 10% lycopene	10,41%	HPLC
Substance to control *	/	/	/
<b>Physical/Chemical Control</b>			
Appearance**	Red powder	Complies	Visual
Sieve analysis	pass 80 mesh	Complies	80 mesh screen
Loss on drying	NMT 5,0%	4,10%	5g/105°C/2hrs
Ash	NMT 5,0%	2,22%	2g/525°C/3hrs
<b>Contaminant Control*</b>			
Heavy metals	NMT 10ppm	Complies	AAS
Lead (Pb)	NMT 3ppm	Complies	AAS
Arsenic (As)	NMT 2ppm	Complies	AAS
Cadmium(Cd)	NMT 1ppm	Complies	AAS
Mercury (Hg)	NMT 0,1ppm	Complies	AAS
Solvents residues	NMT 5000ppm ethanol	Complies	AAS
Pesticides Residues	Meet EP requirements	Complies	GC
PAHs	NMT 50ppb	Complies	GC
Benzo(a)pyrene	NMT 10ppb	Complies	GC
<b>Microbiological Control</b>			
Total aerobic microbial	NMT 10 000 cfu/g	Complies	AOAC
Tot. yeast and mould	NMT 500 cfu/g	Complies	AOAC
Salmonella	Negative/25g	Not detected	AOAC
E.Coli	Negative/g	Not detected	AOAC
<b>Allegations</b>			
Allergens		Allergen free	
GMO		No OGM	
Irradiation		No irradiation	
<b>Packing and Storage</b>			
Packing		Suitable for food industry	
Storage		Store in dry places and keep away from strong direct light and heat.	

\*According to a control plan

\*\*Depending to variations of raw material