



Technical Data Sheet

Product Name: Lycopene Powder
Botanical Source: Solanum lycopersicum L.
Specification: 5% CWS
Grade: Food grade
Appearance: Red powder
Test method: HPLC



Lycopene is a powerful antioxidant. It makes tomatoes red. It is soluble in oils and insoluble in water. Lycopene is easily absorbed by the organism and is naturally present in human plasma and tissues in higher concentrations than the other carotenoids. Tomatoes contain a variety of antioxidants such as the two carotenoids Lycopene and Beta Carotene, Vitamin C and Vitamin E, polyphenolics such as Kaempferol and quercetin. Lycopene is the most abundant one in red tomatoes.

Lycopene is a powerful antioxidant. No doubt, antioxidants also interact with other substances and molecules, producing a synergistic effect that protects human metabolism. So, processed tomatoes are likely to offer more protection than Lycopene on its own.

Health benefits:

- 1) Helping to improve sperm quality, reduce the risk of infertility
- 2) Protection of the cardiovascular;
- 3) Anti-ultraviolet radiation;
- 4) Suppression mutagenesis;
- 5) Anti-aging and enhancing immunity;
- 6) Improving skin allergies;
- 7) Improving a variety of body tissues;
- 8) With a strong hangover effect;
- 9) With the prevention of osteoporosis, lower blood pressure, reducing the exercise induced asthma, and other physiological functions;
- 10) Preventing and improving prostatic hyperplasia; prostatitis and other urological diseases.

Application:

- 1) Applied in food field, lycopene is mainly used as food additives for colorant and health care;
- 2) Applied in cosmetic field, lycopene is mainly used to whitening, anti-wrinkle and UV protection;
- 3) Applied in pharmaceutical field, lycopene is made into capsule.



Technical specification:

ITEMS	SPECIFICATION
Assay	Lycopene Powder 5% CWS
Appearance	Red Fine Powder
Odor	Characteristic
Loss on Drying	≤5%
Residue on Ignition	≤2.0%
Solubility	Water soluble
Heavy Metals (As Pb)	≤10 ppm
As	≤1.0 ppm
Pb	≤1.0 ppm
Hg	≤0.1 ppm
Cd	≤1.0 ppm
Microbiological	
Total plate count	≤1000cfu/g
Yeast & mold	≤100cfu/g
Coliforms	≤3.0 MPN/g

Packaging Details:

Package: 1kg/ bag.

Storage: Store in a low temperature refrigerated place.

After opening, please use it immediately; if not, please pack it in vacuum.

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