

Cordyceps Extract

Nano Concentrate Liquid

Energy/Stamina Booster

Small size of nanoparticles enables them to pass through natural biological barriers, such as the intestinal epithelia, facilitating better entry into the body and target sites.

Cordyceps is a species of fungus in the family Cordycipitaceae, have several biologically important components such as proteins, polysaccharides, essential amino acids and vitamins like B1, B2, B12, and K. Cordyceps contain a bioactive component called cordycepin. This can help with inflammation related to asthma, rheumatoid arthritis, hepatitis and parkinson's disease. Cordyceps contains polyphenols, which can act as antioxidants or help boost antioxidant activity and increased the production of collagen in the skin. Cordyceps may help increase the body's production of the molecule adenosine triphosphate (ATP), which is essential for delivering energy to the muscles. Cordyceps extract is known for its diverse health benefits, including improved stamina and endurance, enhanced immune function, and potential anti-aging properties.



AMAZING FACTS OF CORDYSEPS

Cordyceps possesses anti-cancer properties with the ability to inhibit tumor growth.

Helps in reducing inflammation and fighting oxidative stress..

Cordyceps can boost immunity by demonstrating immunomodulatory effects.

Its antioxidant, anti-inflammatory, and anti-apoptotic properties have positive impacts on neurodegenerative disorders

Reduced inflammation may also help boost exercise performance.

Cordyceps might enhance oxygen absorption and stamina, supporting athletic performance and recovery



HEALTH BENEFITS

Immunomodulation:
Cordyceps acts as an immunomodulator, which is beneficial for developing treatments that can help manage immune responses in various conditions.

Neuroprotection:
Nucleosides such as adenosine, present in Cordyceps, exhibit neuroprotective and analgesic effects, aiding in therapies for neurological conditions.

Therapeutic Agents:
Cordyceps includes numerous bioactive substances like cordycepin and polysaccharides, which show anti-cancer, anti-inflammatory, and antiviral effects, rendering them important for creating new medications.

Improves General Metabolic Health:
Cordyceps can also improve oxidative stress and inflammation markers, which are often associated with conditions like Type 2 Diabetes.

Improve kidney health:
The antioxidant and anti-inflammatory properties of cordyceps enhance kidney health or preventing kidney disease.



WHO SHOULD CONSUME MORINGA

Athletes and people who frequently undergo intense physical exertion

People with low energy or fatigue.

Individuals with respiratory issues.

People looking for immune support.

Individuals diagnosed with type 2 diabetes.



Athletic Performance

It provides a 3-times improvement in performance primarily by increasing oxygen intake. This effect is crucial as the extract acts as an anti-fatigue and endurance booster. Furthermore, it naturally enhances the body's Maximum Oxygen Intake, which is the key measure of the body's ability to utilize oxygen during intense exercise.



PACKAGING/STORAGE/SHELF LIFE

Storage Condition:
Store in cool and dry place in original packing. Avoid exposure to extreme conditions

Packaging:
5kg/25kg Aluminium can/ Packed under Sterilized condition

Shelf Life:
18 months if stored in specified storage conditions.

APPLICATION DETAILS

S.No.	Various Applications	Main Claims Markers for Recommended Applications	Recommended Dosage / Bulk Batch (For the Manufacturer of a Consumer brand)	Effective Dosage / Serving (For the Ultimate Consumer)	Recommended Dosage / Day	
					For Adults	For Teenagers
1.	Fortification of Protein Drinks with Plant based Nutrition - Anti-oxidants	Bioactives (Cordycepin, Adenosine, and Polysaccharides), Protein and Amino Acid (L-Arginine, L-Proline, Glutamic acid), GABA, Minerals (Potassium, Calcium and Magnesium) and Vitamins (Vitamin A, Vitamin E and Vitamin B2)	20-25 L of Cordyceps Nano Concentrate / 1000 L	Adults : 5 - 8 mL x Two Servings (10 - 16 ppm of Cordycepin)	Once Daily	Once Daily
2.	For Plant based energy Drinks (Pre- / Post workouts)			Adults : 10 - 15 mL/ Single Serving (on need basis) (10 - 16 ppm of Cordycepin)	As & when required (Pre- / Post - workout)	As & when required (Pre- / Post - workout)
3.	For Fresh Morning Tea/ Coffee or Smoothies for sustained energy			Adults : 5 - 8 mL x Two Servings (10 - 16 ppm of Cordycepin)	Twice daily	Twice daily

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NUTRITIONAL VALUE

Nutritional Data

Calorific Value	210-211 kcal/100g
Protein	3-4 g /100g
Carbohydrate	28-31 g /100g
Soluble fiber	9-10 g /100g

Functional Bioactive

Cordycepin	1000mg/Kg Min.
Flavonoids	0.5-0.7 mg/ml
Polysaccharides	13-20 mg/ml

Minerals

Potassium	245-247 mg/100g
Calcium	13-15 mg/100g
Zinc	0.16-0.18 mg/100g
Magnesium	4-6 mg/100g
Sodium	8-10 mg/100g
Iron	1-2 mg/100g
Phosphorus	0.18-0.20 mg/100g

Sensory Data

Appearance	Liquid
Colour	Yellow to orange colour
Flavor and Odour	Characteristic
Taste	Earthy and Nutty flavor

Vitamins

Biotin	170-172 mcg/100g
Folic acid	1-2 mcg/100g
Cyanocobalamin (vit B12)	11-12mcg/100g
Riboflavin (vit B2)	7-9 mg/100g

Heavy Metals

Lead (Pb)	<0.05 mg/kg
Cadmium (Cd)	<0.05 mg/kg
Arsenic (As)	<0.05 mg/kg
Mercury (Hg)	<0.02 mg/kg

This is a Nutritional Supplement and not a replacement for medical treatment.

SCIENTIFIC STUDY REFERENCES

Effect of the Administration of Cordyceps militaris Mycelium Extract on Blood Markers for Anemia in Long-Distance Runners., Nakamura A, Shinozaki E, Suzuki Y, Santa K, Kumazawa Y, Kobayashi F, Nagaoka I, Koikawa N. *Nutrients*. 2024; 16(12):1835.

Chronic supplementation of a mushroom blend on oxygen kinetics, peak power, and time to exhaustion., Hirsch, K. R., Mock, M. G., Roelofs, E. J., Trexler, E. T., & Smith-Ryan, A. E. *Journal of the International Society of Sports Nutrition*. (2015).

Cordyceps militaris Improves Tolerance to High-Intensity Exercise After Acute and Chronic Supplementation., Hirsch, K. R., Smith-Ryan, A. E., Roelofs, E. J., Trexler, E. T., & Mock, M. G. *Journal of Dietary Supplements*. (2016). 14(1), 42-53.