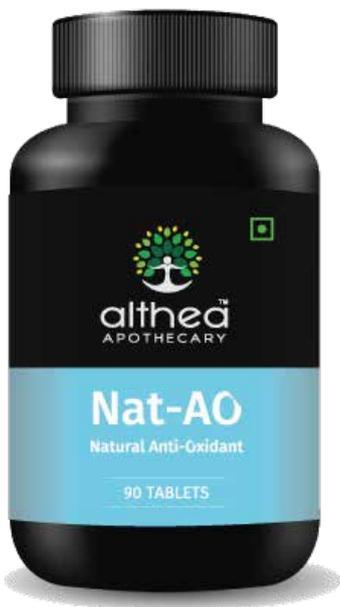


Nat-AO

Natural antioxidant

A herbal nutraceutical mouth dissolving tablet containing cranberry, moringa, curcumin amongst others acts as a strong antioxidant that helps to promote bone and joint wellness, boosts energy levels, activates the immune system and helps to maintain optimal blood pressure levels thus promotes overall wellness.



KEY INGREDIENTS

<i>Moringa oleifera</i>	Protects the cells from damage and boosts immunity.
<i>Vaccinium oxycoccus</i>	Enhances immune health.
<i>Curcuma longa</i>	Possesses anti-inflammatory effects.
<i>Zingiber officinale</i>	Shows antibacterial, anti-oxidative and anti-inflammatory effect.
<i>Piper nigrum</i>	Aids in proper digestion and increases the bioavailability of the nutrients.

Direction of use

Take 1 tablet twice a day.
Tablets may be chewed or sucked.

Cytokines, such as TNF- α help in activating and maintaining a healthy immune response and overall wellness. Protection of DNA against oxidative stress reflects the anti-fatigue potential. In addition, increase in calcium deposition in osteoblasts (bone-forming cells) strengthens the bones.

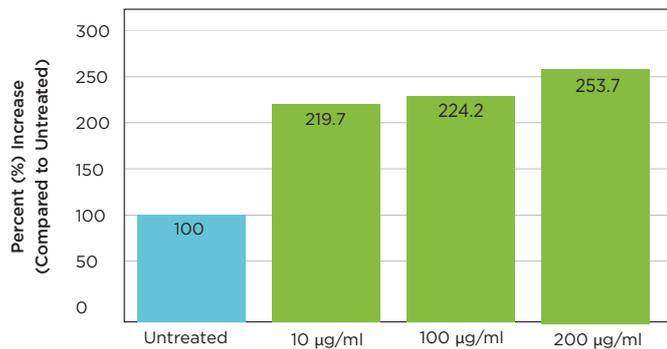
EFFICACY CLAIMS

Boosts immunity

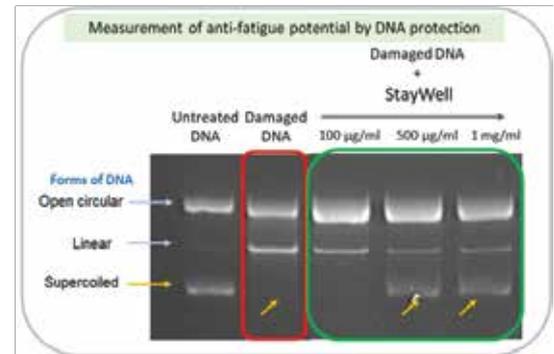
Prevents fatigue

Ensures healthy and strong bones

Measurement of immuno stimulation by increase in TNF- α



Results obtained in vitro. Data demonstrates % Increase compared to Untreated group normalised to 100%. Nat-AO treated groups show increase as compared to untreated group.

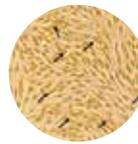


Results obtained in vitro. Image demonstrates the DNA bands in agarose gel. Oxidative stress using UVB + H₂O₂ resulted in damage of super coiled form of DNA. Nat-AO treated groups show restoration of super coiled DNA.

Measurement of bone strengthening potential by increased



Untreated



Nat-AO
10 $\mu\text{g/ml}$

Results obtained in vitro. Image demonstrates the morphology of osteoblasts (bone forming cells). Nat-AO treated groups show increased cell density and Calcium deposition.

RESULTS

- Nat-AO stimulates secreted levels of TNF- α in immune cells (macrophages, RAW264.7) by a maximum of 153.7% as compared to untreated group.
- Nat-AO exhibited DNA protection ability against oxidative stress.
- Nat-AO increased the density of osteoblasts and Calcium deposition as compared to untreated group.
- Nat-AO also showed antioxidant activity by free radical scavenging in DPPH assay with an IC₅₀ of 4.41 $\mu\text{g/ml}$.

These results substantiate the Immune-enhancer, anti-fatigue and bone strengthening properties of Nat-AO.