

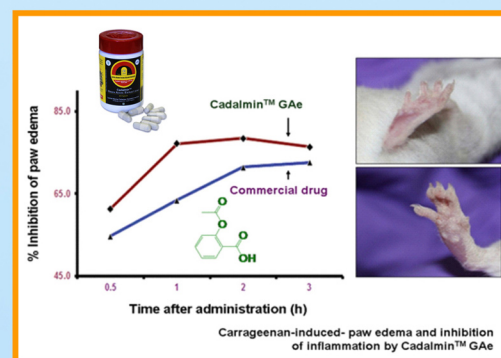
Green Algal extract (GAe)

Brief Description

- ★ A 100% vegetarian nutraceutical 'Green Algal extract' (Cadalmin™ GAe) against joint pain and arthritis.
- ★ Provides a unique blend of 100 % natural, bio-active anti- inflammatory ingredient extracted from seaweeds with an ecofriendly 'green' technology.
- ★ Concerted efforts of CMFRI scientists to explore new sources of secondary metabolites from seaweeds led to its design and development.
- ★ Components with anti-inflammatory properties isolated from seaweeds/marine macro algae which are natural alternatives to synthetic anti-inflammatory drugs to combat arthritis.

Technology Benefits

- ★ A green alternative to the existing allopathic medications of joint pain and arthritis having undesirable side-effects & serious health consequences like stomach bleeding, stroke, and acute renal failure etc.
- ★ Active ingredients are chemically engineered to retain the anti-inflammatory properties for an extended shelf life and stability.
- ★ Suppresses the edema produced by histamine & exhibits its anti-inflammatory action by means of either inhibiting the synthesis, release or action of anti-inflammatory mediators.
- ★ Active ingredients also suppress the build-up of uric acid in hyperuricemic patients.
- ★ Product is free from carcinogenic trans fatty acids, radical adducts, low molecular weight carbonyl compounds & inhibits the pathogenic bacterial build-up due to in-built antibacterial principles embedded.
- ★ Perfectly vegetarian product, with its therapeutic values & an import substitute with an international appeal, providing great market potential especially for the vegetarian population.
- ★ Hygienically processed active ingredients are packed in low moisture content 100% plant-based Naturecaps capsules as 'Cadalmin™ GAe' meeting need of the end users.
- ★ Each capsule contains GAe active principle of 500 mg.
- ★ Highly cost effective indigenous product.
- ★ Recommended dosage: 2 capsules a day after food for the first 3 months, followed by a maintenance dose of 1 capsule daily.



Financial Aspects

Total investment = 1.72 crores*

Rate of Return = 214.73%

Profitability = 352.03%

*(Project duration 20 years)



CENTRAL MARINE FISHERIES RESEARCH INSTITUTE



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