

GreMin[®]



A natural ingredient for Endurance, Performance, Muscle Strength & Lean Mass in **just 14 Days!**

Gremin[®] is a proprietary patented ingredient containing green coffee extract from coffee beans and curcumin from *Curcuma longa* co-processed and infused into a food ingredient carrier. Gremin[®] is globally the first and only ingredient commercially available exploring the synergistic benefits of dual **natural polyphenols**, **Green coffee bean extract (GCBE)** (standardized to **Chlorogenic acid**) & **Turmeric Extract** (standardized to **Curcuminoids**) for the potential health benefits in sports & active nutrition segments. **Gremin[®] is backed with Health Canada NPN and multiple scientific studies including 2 human clinical studies to prove its efficacy as well as safety.** The present clinical study is designed to validate the clinical efficacy of Gremin[®] in improving performance, muscle strength, muscle protection & lean mass.

500
mg/day

60
Subjects

14
days

A quick Look into the Clinical Summary of Gremin®

A Randomized, Double-Blind, Placebo-Controlled, Parallel- Group, Clinical Study to Evaluate the Effect of Gremin® on Endurance, Muscle Performance and Muscle Protection in Healthy Human Subjects [Clinical Trial Registration No - CTRI/2024/02/062298]

Subjects were randomized to receive Gremin, 500 mg or placebo once a day, 30 minutes after meals in 1:1 ratio for a period of 14 days. Eligible subjects underwent baseline assessments: endurance assessment by physical performance tests (number of squats and pushups in one set until failure, changes in distance measured by 6MWT and VO2 max calculation by measuring resting and maximal heart rate; isometric muscle strength measured by handheld dynamometer; and fatigue assessment through MFI questionnaire. Muscle recovery by assessing lactate dehydrogenase (LDH) Biomarkers and C-reactive protein (CRP) levels. Further the changes in Muscle mass and lean body mass & Fat reduction was assessed by dual x-ray absorptiometry (DEXA) scan.



% improvement in 14 days - ENDURANCE / PERFORMANCE

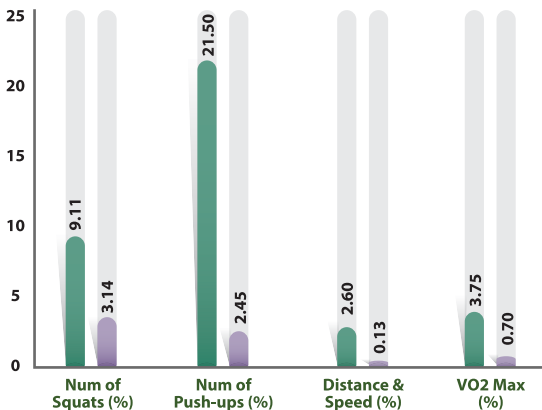


Figure I: Percentage Improvement in Endurance and Performance

% Improvement in 14 days - STRENGTH / RECOVERY / FATIGUENESS / LEAN MASS

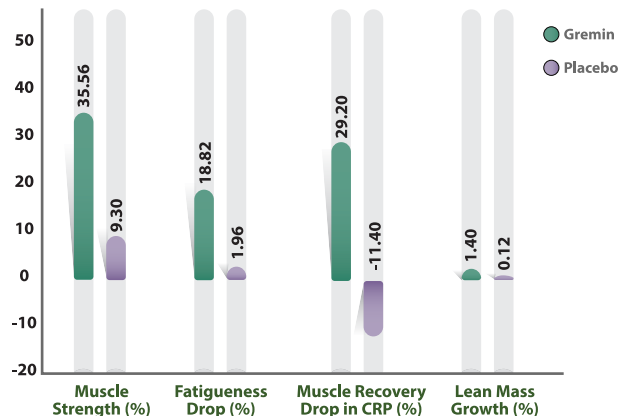


Figure II: Percentage Improvement in Strength, Recovery, Fatigueness & Lean Mass

Positioning /Applications

Gremin®, world's only ingredient standardized to dual bioactives Chlorogenic acid & curcuminoids, which has unique advantages based on the 2 clinical studies, helps to position it in the Sports as well as active nutrition segments.

Gremin®, being a water dispersible powder can go into diverse supplement formulations like ready to drink powder mix, capsules, tablets, bars, gummies etc. The rapid dispersibility of Gremin® can even help it to combine with protein powders as well for superior benefits offering a differentiated positioning.

Sports Nutrition : For daily work out / For Moderate exercise groups

Sports Nutrition : For Athletic Performance / Sports Recovery

Active Nutrition : Energy/Exercise Support for beginners & aged Population

Healthy Aging : Age Related Muscle Health/Fatigueness/Energy boost



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*These statements have not been evaluated by FDA. This product is not intended to diagnose, treat, cure or prevent any disease.