TARGETED RELEASE

PureSea® Protect's unique coating ensures targeted release of key nutrients during digestion for optimal nutrition and benefits.

INDEPENDENT SCIENTIFIC STUDY

PureSea® Protect's targeted release

Title:

Determining the nutrient release profile of PureSea® Protect, microencapsulated seaweed, through the digestion process.

Researchers:

Dr Peter Chater (Aelius Biotech)

Background:

The coating developed for PureSea® Protect ensures a barrier for flavour and aroma as well as providing protection during the gastric phase of digestion. This can result in a higher release of nutrients in the small intestinal phase for potential better absorption as compared to uncoated seaweed.

Method:

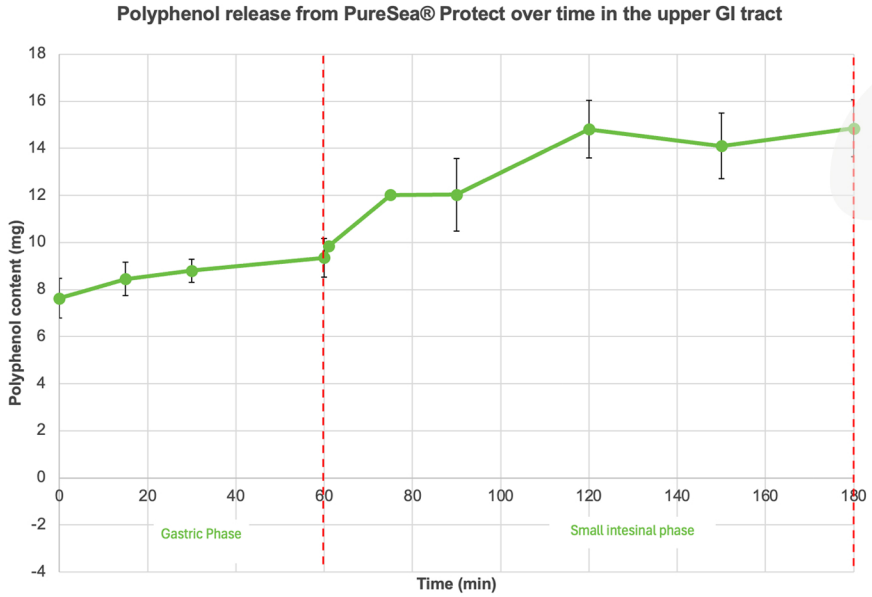
In vitro testing in a proprietary model gut system of polyphenol release as a marker of nutrient release over time.

Key findings:

The release of polyphenols increased significantly into the small intestinal phase of digestion as the coating of PureSea® Protect was digested post-gastric phase

Conclusion:

The distinctive coating of PureSea® Protect ensures a better protection of key nutrients through digestion, with lower release of marker nutrients in the gastric phase, where they are not as well absorbed or utilised, as compared to the increased release in the small intestinal phase, for potential better absorption.



Application:

An on-trend ingredient with approved claims that has limited impact on flavour or aroma, and with proven delayed release profile. Ideal for sports nutrition, beauty and multi-vitamin type powder blends.

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