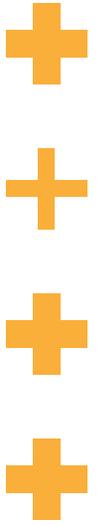




Curcumin with **14X Bioavailability?**

**Clues From Chenland Nutritionals Will
Lead You To The Right Answer**



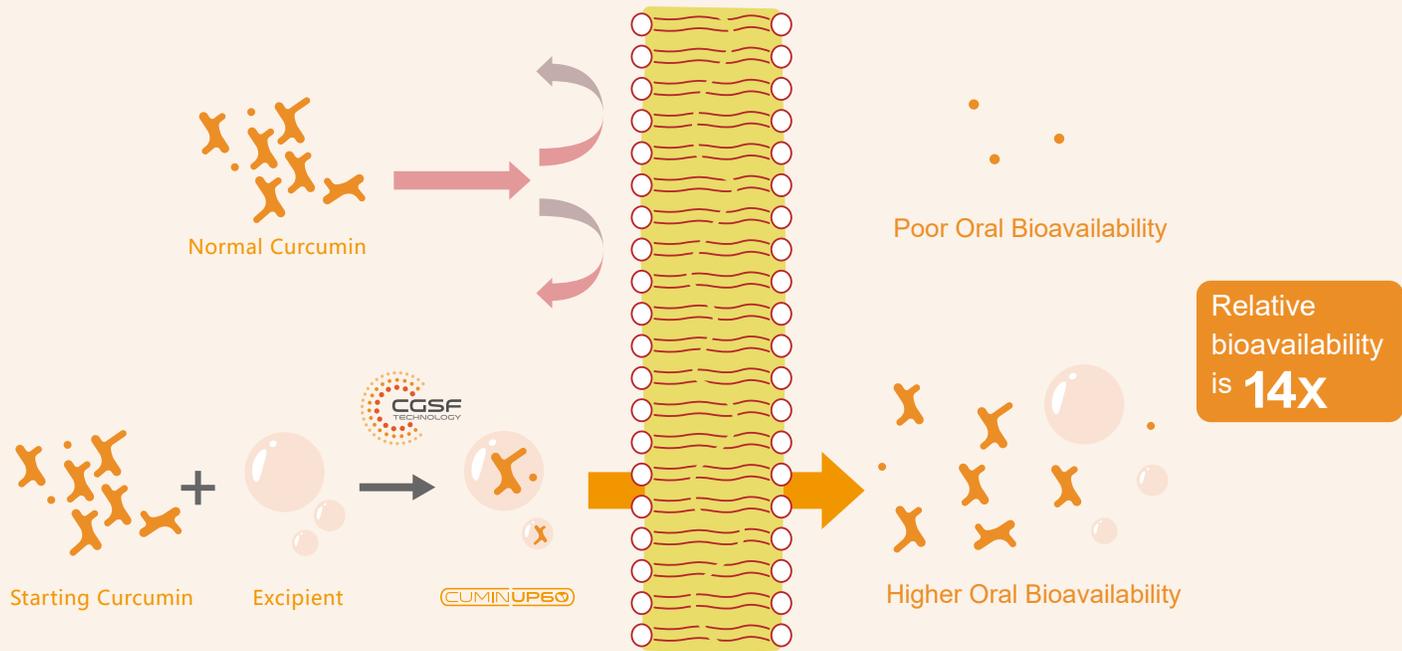
As a superstardom in the health care industry, many curcumin's health benefits have long been known to the public. However, the poor solubility in water, instability at physiological, alkaline pH and rapid metabolism result in the low oral bioavailability (OB) of curcumin and thus limit its application. Although many manufacturers have increased the oral bioavailability of curcumin to a certain extent, complex production processes are still common technical shortcomings.



IF WE LIST SEVERAL DOUBTS ABOUT CURCUMIN PRODUCTS IN RECENT YEARS:

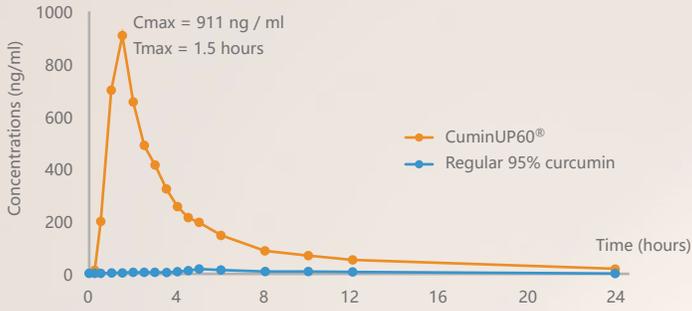
- 1** Regarding the curcumin loading: Is the actual curcumin loading consistent with the product description?
- 2** Regarding bioavailability: Can the supplement be reasonably digested and absorbed after entering the human body?
- 3** Regarding solubility: Can poor solubility in water be solved?
- 4** Regarding its efficacy: Can it achieve significant health effects?

Focusing on the above-mentioned main problems and technical difficulties, Chenland has comprehensively upgraded CuminUP60[®] potent curcumin on the basis of normal curcumin products, and once again refreshed the product application guidelines of the ingredient. CuminUP60[®] has the advantages of high loading, high bioavailability, high water solubility, and even more.



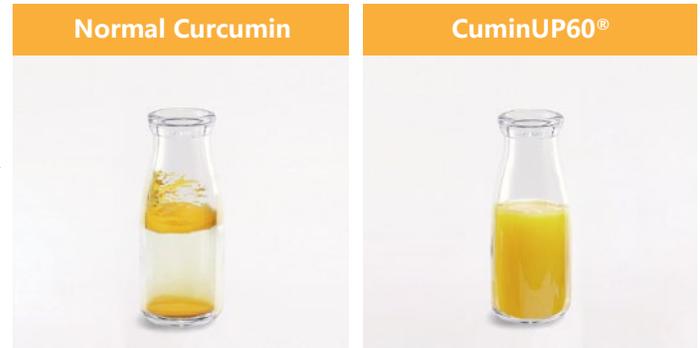
CuminUP60® is created by mixing curcumin with food-grade excipients through patented CGSF technology, without any solvent and separation technology. CuminUP60® can be easily dissolved and quickly absorbed by the body, as well as delaying the loss of curcumin nutrients. Additionally, we select high-quality curcumin (≥95%) from India as starting material and guarantee the curcumin content of CuminUP60® at greater than 60%.

Total Curcuminoids (parallel)



Bioavailability is also an inevitable problem in the application of curcumin. In the process of determining the relative bioavailability of curcumin after oral administration, Chenland utilizes a single equivalent dose, randomized design with crossover to compare the relative bioavailability between CuminUP60® and regular 95% curcumin. Twelve healthy men and women (18 to 55-year-old) were enrolled, and twenty blood samples were obtained from each subject over 72 hours. CuminUP60® delivered significantly higher plasma curcumin (Sum of curcuminoids and their relative glucuronide and sulfate metabolites) concentrations by 14 times, compared to the regular 95% curcumin.

In order to solve the limitation of solubility problem, CuminUP60® has good solubility and can be evenly dispersed in water, and also provides a better tasty experience. The technology covers a wide range and can be applied to various dosage-form markets such as solid drinks and liquid beverages. The product also realizes micron-sized particles through CGSF patented technology, realizing the product advantages of low dosage and high efficiency.



In order to ensure product quality and make customers feel at ease about products, our product raw materials only use 100% pure natural high-quality curcumin from India. The company strictly controls the quality management system, which is in line with green environmental protection and low-carbon sustainable development. As CuminUP60® gradually changes the application pattern of curcumin, along with the product's powerful bioavailability, stability, and efficacy continue to refresh higher results, Chenland believes that CuminUP60® will undoubtedly become a breakthrough in the fiercely competitive curcumin product industry.



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Enriching Quality of Life