



STEARATES

Suppliers of Pure Encapsulations to the UK

Pure Encapsulations (PE) products are hypo-allergenic and contain no hidden coatings, excipients, binders, fillers, shellacs, artificial colours or fragrance. They are free of wheat, yeast, gluten, corn, sugar, starch, soy (unless noted), preservatives and hydrogenated oils.

All ingredients are purchased solely on the criteria of quality. They are sourced only from trusted industry leaders. All manufacturers of ingredients must pass rigorous pharmaceutical grade analytical tests to qualify as a supplier.

Furthermore, all ingredients are tested for purity and potency by independent certified laboratories. Independent microbiological testing of all finished products is also performed to ensure supplement purity. Each piece of equipment at Pure Encapsulation's plant is dismantled and sterilised before **EVERY** production run.

WHY ARE STEARATES SO BAD?

Lubricants enable tableting and capsuling machines to run more efficiently and reduce the running costs of the machinery. By using lubricants in the production process, it allows the manufacturer to make several runs on the same machine without needing to disassemble and clean between each run. This cost-cutting exercise can then be passed on to the customer, in the form of cheaper supplements. It is important for the public to understand that the cost of superior quality, pure products is, at least in part, more about what is NOT in the capsule, as apposed to what IS in the capsule.

However, these indigestible lubricants can inhibit the ability of the nutrient to be dissolved and absorbed within the digestive tract. In other words, they inhibit the effective absorption and utilisation of the essential nutrient that the capsule contains! **These lubricants are NEVER added to PE supplements.**

Additives in this category include stearic acid and its cousins: magnesium stearate and calcium stearate.

Pure Bio Ltd. - *Your lifestyle solution*

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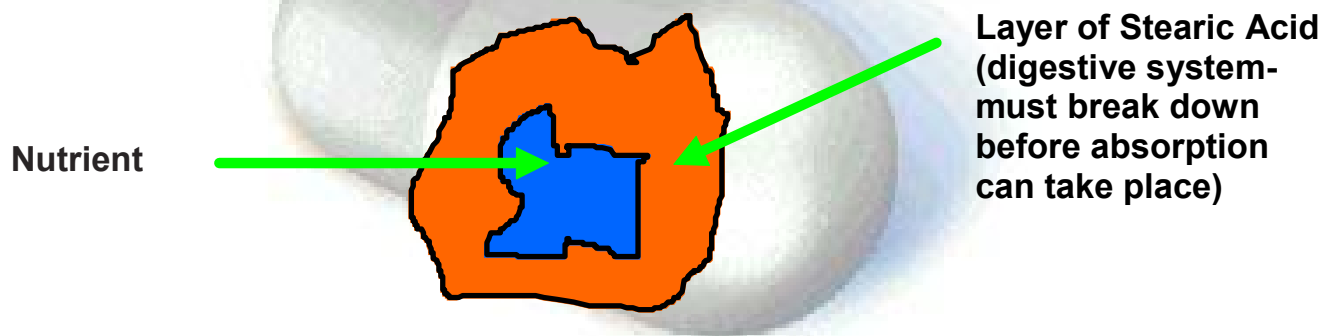
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Stearates will ALWAYS be present in supplements that are in tablet form. However, they will also frequently be found in capsules, so check the labelling carefully.

HOW DO STEARATES INTERFERE WITH ABSORPTION?

If stearates are used in the production process, the consequence is that every nutrient particle becomes coated with a layer of these lubricants during manufacture, creating the potential that the ultimate absorption of the nutrient will be considerably further down the intestinal tract than the optimal absorption site. In many cases, nutrients are only partially absorbed or not absorbed at all.



The adverse effect of impeded absorption can be even more damaging with certain substances e.g. niacin. Niacin, if taken in a time-release dosage is known to cause an increased production of liver enzymes and potentially lead to liver damage. When stearic acid is used as a lubricant in the manufacture of a niacin supplement, it effectively creates a time-release tablet or capsule, thus having the potential of causing inhibited absorption, elevated liver enzymes; and possibly even liver damage.

Pure Encapsulations supplements are produced from totally pure substances, via the highest quality manufacturing process and with the total absence of unnecessary lubricants. Each encapsulated product has been independently verified to contain only what it claims on the label.

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