

# Ingredients for the Sunless Tanning Industry

Established in 1978, AMPAK Company, Inc. is a diverse Solutions Partner in the global sourcing of high-quality functional ingredients that can be used in a wide range of products across key industries. We have established strong supply relationships with key global manufacturers.



## Market Driver:

Exposure to damaging ultraviolet light (UV-A and UV-B) from the sun's rays accounts for a high percentage of all skin disorders, including the loss of skin elasticity, wrinkling, premature aging, cell damage from sunburn, and even skin cancer. Due to the ever-increasing awareness of the negative effects of sunbathing, there is a growing demand for self-tanning ingredients and technologies. Erythrulose is a functional ingredient that can help to deliver self-tanning in a safe and effective manner with the following features and benefits:

- Naturally derived ingredient produced via a sugar fermentation process
- Helps deliver a uniform, longer lasting tanning effect
- Can be used in both instant self-tanners & gradual tanning formulations
- Very high stability in application
- Helps avoid streaking and blotchy coloring for a more "natural" tan
- Will not cause irritation or drying of the skin
- Results in a permanent tanning effect that won't rinse off
- Product formulation can be accomplished without the use of preservatives, if desired

## Mechanism of Action:

Erythrulose reacts via a Maillard reaction with the proteins on the skin surface, resulting in brown colored melanoids that are directly attached to the surface of the skin.

## Formulating with Erythrulose:

- Helps avoid streaking and blotchy coloring for a more "natural" tan
- For gradual tanning formulations, 2% to 3% is used
- Can be formulated without DHA
- Erythrulose is added to the aqueous phase of lotions, creams, sprays, foams, or wipes

Customer service and support are a top priority of AMPAK Company, Inc.

We stand behind our products based on our strong international supply-chain affiliates, backed by a guarantee that our products will meet or exceed all expectations. Our Commercial Specialists across the U.S. can provide the customized solutions you need.



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# AMPAK



Bringing The World's Ingredients To Your Door

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