



Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

Technical Data Sheet

Chemical Name: Saponin

CAS: 8047-15-2

Molecular Formula: C₂₇H₄₂O₃

Appearance: Slightly yellow powder

Technical Indicators:

(1)GreenTeaExtractEGCG90%	(2)GreenTeaExtractEGCG70%
Totalteapolyphenols:>98%	Totalteapolyphenols:>98%
Totalteacatechins:>90%	Totalteacatechins:>85%
EGCG:>90%	EGCG:>70%
Caffeine:<0.5%	Caffeine:<0.5%
White powder	light yellow to brown-yellow powder
3)GreenTeaExtractEGCG60%	(4)GreenTeaExtractEGCG50%
Totalteapolyphenols:>98%	Totalteapolyphenols:>98%
Totalteacatechins:>80%	Totalteacatechins:>75%
EGCG:>60%	EGCG:>50%
Caffeine:<0.5%	Caffeine:<0.5%~9.0%
light yellow to brown-yellow powder	light yellow to brown-yellow powder



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(5)GreenTeaExtractEGCG45%	(6)Green Tea Extract Polyphenols 50%
Totalteapolyphenols:>95%	Totalteapolyphenols:>50%
Totalteacatechins:>70%	Totalteacatechins:>30%
EGCG:>45%	EGCG:>15%
Caffeine:<0.5%~9.0%	Caffeine:<0.5%~12.0%
light yellow to brown-yellow powder	light yellow to brown-yellow powder

Application

1. Daily chemical industry

The surface activity of tea saponin can be used as a shampoo, which not only makes the hair shiny and feels good, but also is non-toxic, safe to use, and has the effect of nourishing hair and skin. The naturalness of tea saponin and its non-destructive effect on protein and cellulose make tea saponin have incomparable advantages in the washing of wool, silk, down, etc.

2. Aquaculture in shrimp culture

Tea saponin can be used as a pond clearing agent to kill harmful fish by its hemolysis and fish toxicity, but it has no effect on shrimp, and saponin is not absorbed by human intestines and stomach, so people can use it at ease.



3. In food and drinks industry

Tea saponin can be used as a foaming aid in cool drinks such as soda and beer because of its strong carbon dioxide absorption characteristics in the food industry. Tea saponin can inhibit the absorption of alcohol, so it is expected to develop sobering tea.

4. Feed Additive

Tea saponin can prevent and control parasites on the surface and inside of livestock and poultry in animal husbandry and breeding. The feed additive made of tea saponin can reduce the diseases of human and livestock.

5. Building materials

Tea saponin is a good natural surfactant. It can be used as foaming agent and foam stabilizer in concrete and light building materials. It has degreasing effect.

Package

1kg/bag, 25kg/drum or requirement of clients.