Functional & Natural Ingredients
Yucca schidigera stems are carefully harvested by an experienced team ensuring regrowth of the species. Once harvested the Yucca extract is separated from the natural biomass in a process known as cold pressing. The juice is then purified and hot packed for distribution.

**THE TRUSTED INDUSTRY LEADER FOR OVER THREE DECADES**

Desert King International (DKI) controls its own production sequence from harvest to processing, to custom-formulation and packaging in modern facilities located directly in the countries of origin of the raw material. DKI is the world’s largest producer of Yucca and Quillaja extracts with facilities in Mexico (Yucca) and in Chile (Quillaja). It is the commitment of an experienced team of growers, staff agronomists, chemical engineers and biologists that guarantees 100% traceability.

**DESSERT KING MEXICO**

Desert King Mexico (DKM) operates the only yucca production facility in the world that is certified by most major soft drink beverage companies. As the leading supplier, DKM is able to meet the growing need for the highest quality Yucca schidigera products.

**DESSERT KING CHILE**

Desert King Chile (DKC) is the world’s largest producer of Quillaja saponaria. The Quillaja tree grows abundantly only in Chile from the foothills of the Andes to the coastal range. Quillaja extracts are produced via aqueous extraction of Quillaja, using an ecologically friendly and sustainable process that has earned Desert King recognition from the Chilean Ministry of Forestry. These products are available in both liquid and powder form with different degrees of purification. Quillaja extracts are natural products rich in saponins and polyphenols, manufactured in agreement with organic production, and are non-GMO, Kosher and Halal certified. The renewable supply of Quillaja is sourced and processed locally in an extremely cost effective manner, guaranteeing the best quality and stability of pricing.
QUILLAJA SAPONARIA
- Desert King developed novel extraction method that does not rely on felling of trees
- The raw material is obtained from pruning of Quillaja forests
- Non-destructive, sustainable and eco-friendly
- Every 1000 kg of Quillaja Extract produced by Desert King saves 143 native trees
- 100% traceability
- Actively managing renewable Quillaja plantations

YUCCA SCHIDIGERA
- Only produced from wild harvest
- Harvested only in Baja California Mexico
- Harvest permits are mandatory
- 80% of harvest permits are submitted by Desert King
- 100% traceability with corresponding harvest permits on file
- Yucca plantations in experimental phase
QUALITY PRODUCTS
FOR CUSTOM APPLICATIONS

QUILLAJA SAPONARIA
Food & Beverage
Quillaja is 100% natural, made entirely from the pure concentrated extract of the Quillaja saponaria tree. Quillaja is the most powerful natural foamer in the market and its unique properties make it the foaming agent of choice for the world’s largest beverage manufacturers. DKI recently developed an all natural, organic emulsifier formulated with purified Quillaja saponins.

Agriculture
Quillaja extracts are used in the cosmetic industry as a replacement or as an addition to common chemical surfactants, typically used in shampoos, body washes and lotions.

Pharmaceutical & Animal Health
Desert King’s Ultra purified Quillaja saponins have been used as adjuvant components in animal vaccines and numerous human vaccine candidates.

Cosmetics
Using proprietary technology Desert King purifies Quillaja extracts to the highest saponin concentration for use as a natural bio-active to control sebum and dandruff as well as a surfactant, cleanser, dispersing agent and emulsifier.

Agriculture
Numerous independent field trials have proven the enormous benefits of Quillaja extracts in many agricultural applications. QL Agri is registered as an organic bio-pesticide in some countries and is registered with the United States, EPA #82572-1. Scientific research also shows that triterpenic saponins from Quillaja saponaria have significant plant grown regulating properties (PGR).

Animal Feed
Nutrafito Plus is 100% natural proprietary blend of Quillaja saponaria and Yucca schidigera. It provides a high content of tannins, polyphenols and saponins, which have also been used for decades as immune modulators and veterinary vaccine adjuvants. A significant number of scientific publications show that Nutrafito Plus enhances animal performance in intensive livestock operations and reduces ammonia concentration.

YUCCA SCHIDIGERA
Food & Beverage
Yucca schidigera extracts have been proven to be the most effective natural foaming agents used extensively in the soft drink industry to provide stable foam in root beers and frozen carbonated beverages (FCBs). Yucca extracts are also used as a natural preservative in specialty food items.

Agriculture
Widely used as a natural wetting agent and stress relief soil amendment, natural steroidal saponins and natural ammonia binding polyphenols from Yucca makes it also effective as a bio-stimulant.

Animal Feed
Yucca Powder is 100% natural, made entirely from the stem of the Yucca schidigera plant. It provides saponin activity as well as polyphenols, reservatrol and other natural antioxidants. Yucca powder is the preferred natural alternative for controlling ammonia emissions and other malodors in intensive livestock operations. It is produced in an integrated and controlled system offering quality product and 100% traceability.

Cosmetics
Yucca extracts are used in the cosmetic industry as a replacement or as an addition to common chemical surfactants, typically used in shampoos, body washes and lotions.

Pharmaceutical & Animal Health
Desert King’s Ultra purified Yucca schidigera extracts have been proven to be the most effective natural foaming agents used extensively in the soft drink industry to provide stable foam in root beers and frozen carbonated beverages (FCBs). Yucca extracts are also used as a natural preservative in specialty food items.

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Cosmetics
Yucca extracts are used in the cosmetic industry as a replacement or as an addition to common chemical surfactants, typically used in shampoos, body washes and lotions.
DKI products are derived from pure organic sources of Yucca and Quillaja following proven research and practices in wild forest management, harvesting, natural extraction and compound formulation.

**YUCCA SCHIDIGERA & QUILLAJA SAPONARIA**

- Historically proven as safe and reliable GRAS (Generally Recognized as Safe) and FDA approved food additive.
- Overwhelming scientific research supports the use of these two natural sources, proven by decades of safe and successful use.
- Final products from these purest natural sources are optimized for the specific needs of individual markets.
- Product uses include, but are not limited to, food & beverage, cosmetics, pharmaceutical, agriculture, animal feed and industrial.

Both Yucca schidigera and Quillaja saponaria are rich in saponins, the main active component of these extracts. Saponins are natural surfactants and as such, have multiple uses ranging from foaming agents to emulsifiers, wetting agents, cholesterol binders and many more. This surfactant and cholesterol binding ability is in many cases responsible for the numerous physiological and biological effects of saponins; for example as vaccine adjuvants and in animal feed performance enhancers.