

## THE PHARMANEX® 6S QUALITY PROCESS

### SELECTION

As the first step, the company's staff of more than 125 full-time scientists reviews published clinical and scientific studies and marketing research to identify botanicals that may have health-promoting properties. New botanicals are also identified through original research funded by Pharmanex, coordinated through scientific alliances with noted professionals at UCLA, Purdue University, Kansas University, Columbia University, Scripps Research Institute and Beijing University (among others). Based on the resulting data, Pharmanex then selects those herbs deemed most appropriate for the product under development.

### SOURCING

Once selected, teams of experts investigate potential sources of an identified herb and conduct exhaustive botanical and chemical analysis on subsequent samples. Samples can come from sources both domestic and international, as well from those submitted from Pharmanex cultivation areas in China and Chile. A supplier is chosen based on the quality and concentration level of the active ingredient(s) present in the botanical sample.

### STRUCTURE

Once a botanical is identified, and a source selected, Pharmanex scientists then conduct tests to determine the structural analyses of natural compounds found within the plant itself. Pharmanex uses state-of-the-art analytical techniques to isolate, purify and determine specific chemical structures in standardized extracts, critical to ensuring a safe and effective botanical. As a part of their ongoing responsibilities, Pharmanex scientists continually test samples from batches of newly arrived raw materials, to ensure the absence of microbes, chemical toxins, heavy metals and solvents/residue.

### STANDARDIZATION

Standardization is the single most important factor in determining the quality of a dietary supplement. Non-standardized products can vary significantly in content and effectiveness – even from capsule to capsule in the same package. Botanicals can differ in chemical content and potency depending on season, climate, soil, method of harvest, storage conditions and processing. Understanding how these elements could cause enormous variability, Pharmanex scientists isolate the active ingredients through strict standardization processes. This ensures that each capsule contains the same amounts and potencies of the active ingredient(s).

### SAFETY

Safety assessments are based on the determination of appropriate dosage levels, as well as the overall purity of product ingredients. Assurance of an end product's overall purity is reached only after undergoing extensive pharmaceutical-grade tests for the presence of microbes, toxins, and heavy metals. These tests are especially important for botanicals since, coming from the ground, cultivation areas can easily become exposed to pesticides and other contaminants. The amount of active ingredient used is based on the dosages found effective in clinical trials and is backed by published data on file at Pharmanex. Pharmanex details directions for use and appropriate warning information on each label.

### SUBSTANTIATION

All claims concerning Pharmanex products are substantiated by pre-clinical, clinical and/or scientific studies.

### CONTACTS

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