

CYCO PLATINUM SERIES GUARANTEE OF QUALITY, PURITY & CONSISTENCY



SJ Enterprises Pty Ltd is geared and motivated to ensure our client's quality requirements are met, whatever they may be in different global markets. Our aim at SJE is to be the most sought-after supplier of the highest-quality plant nutrient and grow mediums for export available globally.

How we achieve this?

By the inputs we use in the manufacturing of the Cyco Nutrients export line of products, and the care taken in product development, quality control and global regulatory registrations. Everything comes together when you partner with distributors and retailers of the highest quality around the globe.

What makes the difference between plant nutrients? Quality of the inputs, consistency and the chemistry behind those inputs make the utmost difference.

Cyco products are manufactured for export from the highest quality raw materials. Chemicals and active ingredients come in a range of different qualities depending on the application.

Before we go any further lets us explain the difference in quality.

A few examples of the main grades of inputs available that most companies may use, in order of quality,



Some manufacturers use mainly fertilizer, stock-feed or industrial grades. Cyco predominantly uses Pharmaceutical, Laboratory and even Analytical grades to manufacture their products.

Cyco products work because of two main reasons,

- (1) They are carefully balanced and designed to optimize plant performance.
- (2) The high purity of the ingredients used to manufacture the products.

We are often asked why does the purity of the product make so much difference?

What gives Cyco nutrients a leading difference?

Obviously the higher the purity of the active ingredient the higher the performance, but the key difference between a low and high quality product is the level of impurities. Many impurities interact with other ingredients affecting the potency, solubility and performance. Fertilizer and Industrial grades are generally used in isolation and the impurities present have no other products to interact with. Hydroponic or plant nutrient solutions contain a number of active ingredients that all have a function in the products performance.

In many ways a plant nutrient solution can be compared to vitamin tablets. Plant nutrient solutions are vitamins, or tonics, to grow healthy plants. If a Vitamin manufacturer uses inferior ingredients then the performance is compromised, and they may even be toxic. Like Vitamin tablets, plant nutrient solutions are comprised of many different ingredients, all with a specific function. If just one of those ingredients is the wrong quality, the entire product may be compromised.

For example, one of the prime ingredients of fertilizers and nutrient solutions is mined from ore and then purified. This product is widely use around the world as the basis for fertilizers and is also one of the ingredients used in hydroponic formulations. Whilst this product is perfectly suitable for agricultural applications, how it is produced has critical implications for plant nutrient solutions. This product is also produced synthetically and this is the grade that Cyco use.

The difference is that product that is mined contains an impurity in trace levels that is toxic to plants, causing the leaves to turn brown. The quality difference between the two types of raw materials is not readily apparent, thus many manufacturers will use the cheaper option of the product that is mined and purified. This is an example of what sets Cyco apart from their competitors and is a critical point of difference.

For those not familiar with the various grades of inputs, it can be explained as follows:

Active ingredients are only purified up to a level that is required for the specific application only. Further purification only adds cost and a manufacturer will become uncompetitive if they produce a higher cost product that adds no additional value to the application. As the quality demands of an application increase, the input must then be purified accordingly.

Fertilizer grade

This is often the crude form with minimal processing or purification. Huge volumes are used in agriculture so it is produced to a price. They must have a minimum level of the trace element and not have high levels of heavy metals (toxic products such as Cadmium and Lead)

Stock-feed grade

This is a fertilizer grade that has been purified to remove elements that are toxic to animals (or humans if the animals are for food production) Industrial grade These products are produced to suit the needs of a specific industry such as mining. The level of purification can vary widely.

Technical grade

This grade is similar to an industrial grade, but is generally of a higher quality thus making it suitable for multiple applications.

Food grade

These grades are regulated in most cases, and for many products there are international standards that set down a minimal specification that the product must conform to. An example is FCC which stands for Food Chemicals Codex

Pharmaceutical grade

A level up from food grade as pharmaceutical medicines require exacting purity and a guaranteed analysis. Very low levels of heavy metals and residual solvents form part of the specification. Examples are BP (British Pharmacopoeia) USP (United States Pharmacopoeia) etc.

Laboratory grade

This is the next step up from Pharmaceutical grade and generally tests for parameters not often covered by a pharmaceutical specification, including sulphate and chloride levels. This grade has been purified to a point where the impurities are very low. Laboratory grades are used as a standard to test other products and are used by manufacturers who require very high purity products.

Analytical grade

The highest grade available where the product has gone through many different levels of purification. This is a benchmark product used as a standard by analytical chemists. To ensure consistency, there is an international standard that sets down the

minimum specification for this grade. It is called ACS which stands for the American Chemical Society.

A point to note that the higher the quality, the more consistent the quality becomes. Batch to batch consistency is a critical issue for manufacturers of highly specialized products, including premium grade plant nutrient solutions.

A final point is that chemicals are available from all over the world, and are available in most grades. The problem is that the quality can vary widely between manufacturers, even for supposedly the same grade. As stated earlier, Cyco uses the highest quality ingredients available. Not only are they of the highest quality, thus assuring peak performance, they are sourced from reputable manufacturers with stringent quality systems in place ISO 9001 that ensures the same quality time after time.

We will ensure that our customers are satisfied

SJ Enterprises Pty Ltd only export products that wholly satisfy the requirements of our customers. To achieve this, we will identify market needs and expectations, allocate adequate resources, benchmark competitor capabilities, plan and control processes (management and physical processes) and provide adequate training to our Cyco retailers.

We will also demonstrate compliance with requirements by certifying in each country and each state with in depth efficacy and testing where applicable and providing the required CoA (Certificate of Analysis) of conformance to the customer.

We will take ownership of our actions

The assurance of quality for all products and services is the direct responsibility of every person involved. All staff must ensure that all customer requirements and expectations are fully understood, agreed, planned for and complied with.

SJ Enterprises Pty Ltd is a highly regulatory certified company.

SJ Enterprises Pty Ltd is a highly accredited company. These accreditation compliments our quality management system, with over 1080 individual state and territory registrations including EPA, OMRI, AOC, APVMA, RAL, GGS, CFIA, CDFA this ensures our clients that the product specific requirements are met each and every time we manufacture.

Licensed End-Growers in some regions are subject to vigorous heavy metal and input tests before and after a medical crop cycles. Cyco meets and exceeds the requirements of state departments and test information is available if required by state regulators.

Our certifications ensure that our products are made from the finest available inputs and have met the rigorous field trials and lab test involved to validate the 1080 state

registrations. Each shipment of Cyco Nutrients is tested and randomly tested by each state and country for its input purity and consistency

Every person within SJ Enterprises Pty Ltd is dedicated to complying with our clients' quality requirements – this ensures that our Quality Assurance program is held in the highest regard and is our company strength.

Management responsibility

It is the responsibility of all management levels to ensure that this Quality Statement is implemented and consistently reviewed, to reflect what our customers and the company expect from us.

Independent testing and certification

We conduct independent and state product testing and certification (these tests are available on most government websites and also our website, if you're a licensed LP producer CoAs are also available on request) all testing is taken to independent parties to ensure transparency throughout our traceable Quality Assurance system.

At Cyco we take pride in knowing that as a company we are providing a product that our customers can count on to meet all requirements from state and federal regulatory compliance to personal requirements of the end Cyco user.

Thank you for your brand support



Shaun Jones



WE PRIDE OURSELVES ON HAVING OUR PRODUCTS TESTED & APPROVED BY REGULATORY AUTHORITIES AROUND THE WORLD