







ABOUT US

Supplevit, a sub-brand of Mirpain, was established to contribute to the global fight against malnutrition by reducing costs and enhancing food security. Supplevit is dedicated to innovation, focusing on the R&D of vitamins and minerals to enhance their application in the food and beverage industry.

HPLC

We use HPLC to precisely separate and measure the vitamins in our premixes, ensuring accurate content and quality in each batch.



- Vitamin B Group Analysis
- Vitamin C Analysis
- Vitamin A,D,E,K Analysis
- Taurine
- Caffeine
- Inositol
- D-Gluconolactone

ICP-OES

With ICP-OES, and AAS, we analyze and quantify the mineral content in our products, guaranteeing compliance with nutritional standards.



Mineral AnalysisHeavy Metal Analyses

We conduct heavy metal analysis for our final products and raw materials.

MICROBIOLOGICAL ANALYSIS

We conduct comprehensive microbiological testing on our final products and raw materials to ensure safety and quality.



Our rigorous testing guarantees that our products meet Food Safety Standards











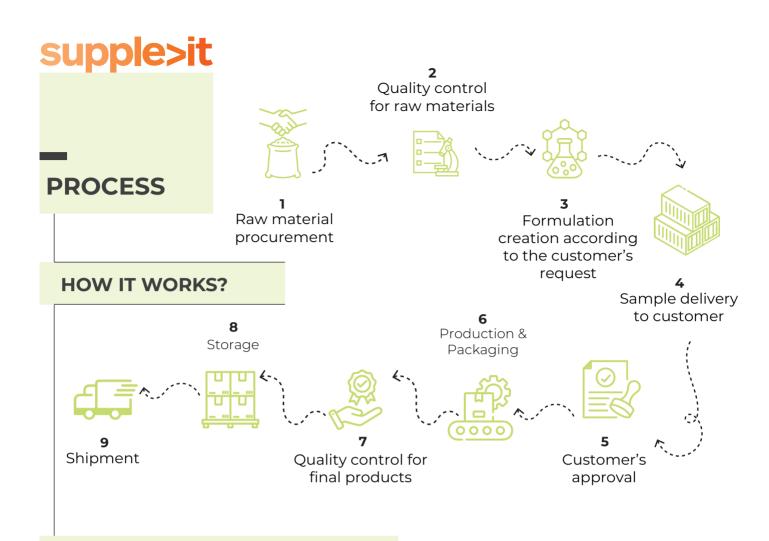












TAILOR - MADE PREMIXES

We provide tailor-made premix solutions for all food industries. Our technical team is expert on how active ingredients behave in different food applications. With our advanced laboratory, we cover all your enrichment process from beginning to end.

We create premixes according to your product's characteristics and quality parameters.

Main quality criteria are;

- Sensory analysis
- Color of premix
- Shelf life studies
- Solubility of the premix
- Mesh size
- Chemical properties

PREMIX DESIGNED FOR YOUR NEEDS

Our team evaluates and calculates the process losses of vitamins, minerals, and active substances based on your specific process conditions.

ENERGY DRINKS

COMPOSITION

- Vitamin B1
- Vitamin B2
- Vitamin B3
- Vitamin B5
- Vitamin B6
- Vitamin B12
- Vitaliilii Di
- Taurine
- Caffeine
- Inositol
- D-Glucuronolactone

Our energy drink premix is expertly formulated to enhance performance and energy levels with a precise blend of essential vitamins and active ingredients. Key components include B vitamins, taurine, caffeine, inositol and D-glucuronolactone to support energy metabolism, combat fatigue, and improve focus.

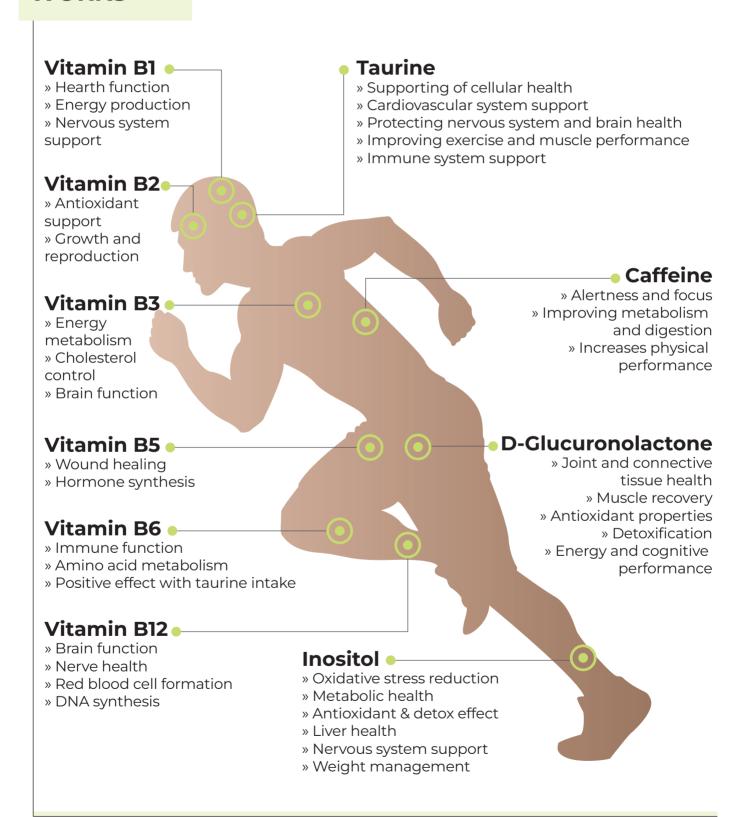
Designed to meet the highest quality standards, our premix ensures energy drinks not only provide and instant boost, but also deliver sustained benefits for peak performance.





HOW IT WORKS

ENERGY DRINK COMPOSITION AND MECHANISM



ISOTONIC DRINKS

Sports Drinks Contain;

- Sodium
- Magnesium
- Calcium
- Potassium

Sport drinks divided into 3 groups; isotonic, hypotonic and hypertonic. They have different effects in body because of their carbohydrate composition.

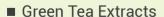
Osmolarity is a critical point for these special drinks. Osmolarity levels determine how much energy sports drinks can deliver and how quickly body can absorb it in blood stream to replace the fluid that body is losing with sweat.



	Hypotonic Drinks	Isotonic Drinks	Hypertonic Drinks
Carbohydrate Content	1-3 %	6-8 %	> 10%
Osmolarity Level	< 280 mOsmol/L	≈ 290 mOsmol/L	> 300 mOsmol/L
Purpose	► Low carbohydrate ► Replaces lost water from body by sweating	► Increases energy with carbohydrate ► Replaces lost water from body by sweating	 Increases the energy with high carbohydrate content Stores glycogen in muscles when consumed after exercise

HEALTHY DRINKS

Some commonly used herbal extracts;



- Gingko Biloba
- Guarana Extract
- Ginseng Extract
- Green coffee Extract
- Ginger Extract,
- Turmeric Extract

According to the trends of the beverage industry, new products classified as 'healthy' or 'functional' drinks have been consumed recently. The main idea of these drinks is to have a functional effect on the human body. Generally herbal extracts, antioxidants and vitamins are commonly used in these products.



WHAT WE OFFER?

According to our customers requests, we can supply either dry or liquid compound solutions. Aroma, colorants, active ingredients and vitamins are essential ingredients for the energy drink production. With our expertise, we provide best solution to the manufacturers.

We design premix according to your needs.

We can supply;

- Aroma
- Colorants
- Vitamins
- Minerals
- Taurine
- Caffeine
- Inositol
- D-Glucuronolactone
- Active Ingredients

Powder Premix





Liquid Premix (Compound)









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