



NATURAL HERBAL PRODUCTS

AQUACUMIN

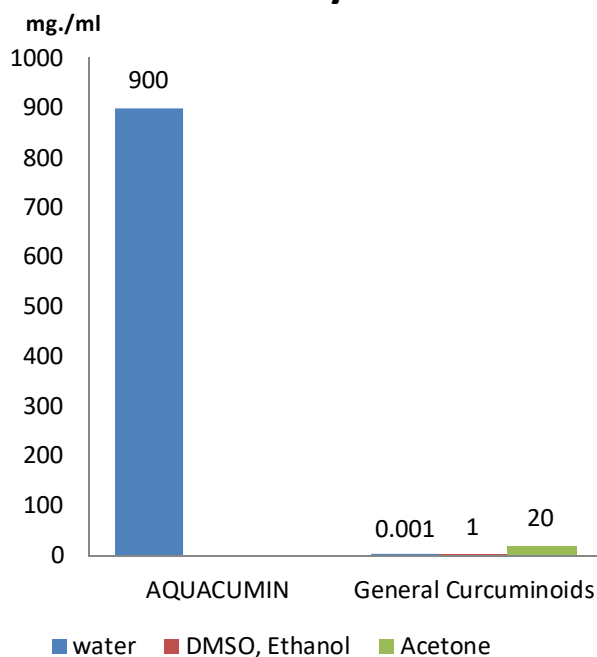
Problem of Curcuminoids

Naturally, Curcuminoids are soluble in organic solvents such as Dimethyl Sulfoxide (DMSO), Acetone and Ethanol but poorly soluble in water.

AQUACUMIN is the new innovation for the Curcuminoids that well **soluble in water about 90%**

AQUACUMIN is the great choice of using Curcuminoids in food, drink, cosmetics and supplement.

Solubility

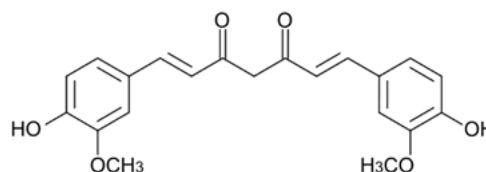


Chemical Constituents

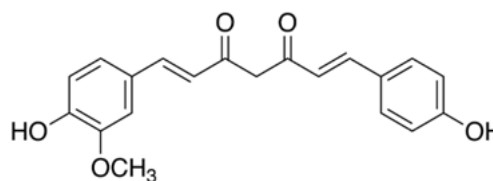
Curcuminoids are yellow matter extracted from Turmeric tuber (*Curcuma Longa*).

Curcuminoids are good antioxidant agent that has 3 derivatives:

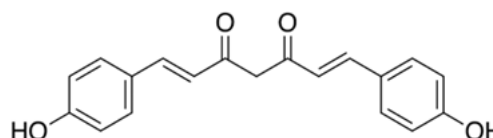
1. Curcumin



2. Demethoxycurcumin



3. Bisdemethoxycurcumin





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Benefits

- Reducing oxidation activity which causes cancer especially skin cancer and colon cancer
- Supporting cancer treatment by reduce adverse effect from chemical
- Protecting cells from toxic include DDT and Dioxin
- Inhibiting fungal that causes Eczema
- Detoxing liver and prevent liver from inflammation
- Stimulating fat-burning
- Preventing from Alzheimer's disease
- Reducing oxidation activity in skin and keep healthy skin
- Reducing cholesterol
- Reducing inflammation
- Reducing colic
- Reducing gas in stomach that cause from Escherichia Coli3 and Clostridium Perfringens4
- Activating bile secretion

Packaging

Standard Package: 1 KG aluminum bag

Packaging can be provided in a variety of container types, depending on customs requirements.

Recommended Storage

Storage in cool and dry place away from light, excessive heat or freezing temperatures

Shelf life: 2 years

Supported Documents

- Specification Sheet
- Safety Data Sheet (SDS)
- Certificate of Analysis (COA)
- Processing Flowchart





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AQUACUMIN Powder 5% Water Soluble Curcumin

Specification Sheet	
General Information	
Product name:	AQUACUMIN
Product code:	AC-5
Country of manufacturing:	Thailand
Physical analysis	
Appearance:	Powder
Color:	Light orange-Yellow
Odor:	Slightly turmeric smell
Taste:	Slightly sweet
Moisture:	< 5 %
pH:	3-5
Particle size (D4.3):	5-8 μ m
Appearance after dissolve:	Yellow emulsion
Absorption rate:	Not less than 60 %
Solubility:	90 %
Active content analysis (Quantitative analysis)	
Curcuminoids (%w/w):	5 %
Heavy metal analysis	
Arsenic:	Not detected
Lead:	< 0.5 ppm
Microbiology analysis	
Total aerobic plate count:	< 1000 CFU/g
Yeast & Mold:	< 100 CFU/g
Coliforms:	Not detected
Escherichia coli:	< 3 MPN/g
Bacillus cereus:	Not detected
Samonella spp.:	Not detected
Strephylococcus aureus:	Not detected
Bacillus cereus:	< 10 CFU/g

Revision Date: 11/10/2021





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AQUACUMIN Powder 15% Water Soluble Curcumin

Specification Sheet	
General Information	
Product name:	AQUACUMIN
Product code:	AC-15
Country of manufacturing:	Thailand
Physical analysis	
Appearance:	Powder
Color:	Orange-yellow
Odor:	Slightly turmeric smell
Taste:	Slightly sweet
Moisture:	< 5%
pH:	3-5
Particle size (D4.3):	8-11 µm
Appearance after dissolve:	Yellow emulsion
Absorption rate:	Not less than 60%
Solubility:	90 %
Active content analysis (Quantitative analysis)	
Curcuminoids (%w/w):	15%
Heavy metal analysis	
Arsenic:	Not detected
Lead:	< 0.5 ppm
Microbiology analysis	
Total aerobic plate count:	< 1000 CFU/g
Yeast & Mold:	< 100 CFU/g
Coliforms:	Not detected
Escherichia coli:	< 3 MPN/g
Bacillus cereus:	Not detected
Samonella spp.:	Not detected
Strephylococcus aureus:	Not detected
Bacillus cereus:	< 10 CFU/g

Revision Date: 11/10/2021

