



## 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 up to 150 mg./ml.**

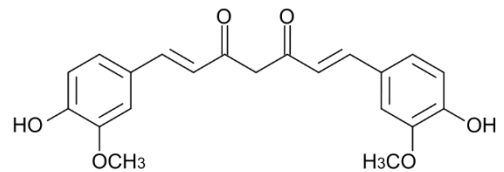
AQUACUMIN is the great choice of using curcuminoids in food, drink, cosmetics and supplement.

### Chemical Constituents

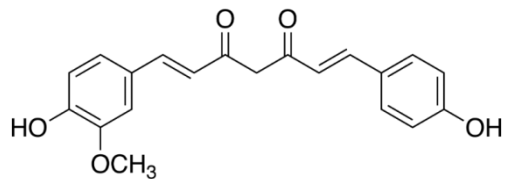
Curcuminoids are yellow matter extracted from Turmeric tuber (*Curcuma Longa*).

Curcuminoids are good antioxidant agent that has 3 derivatives:

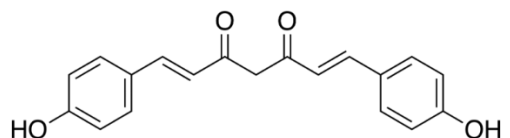
1. Curcumin



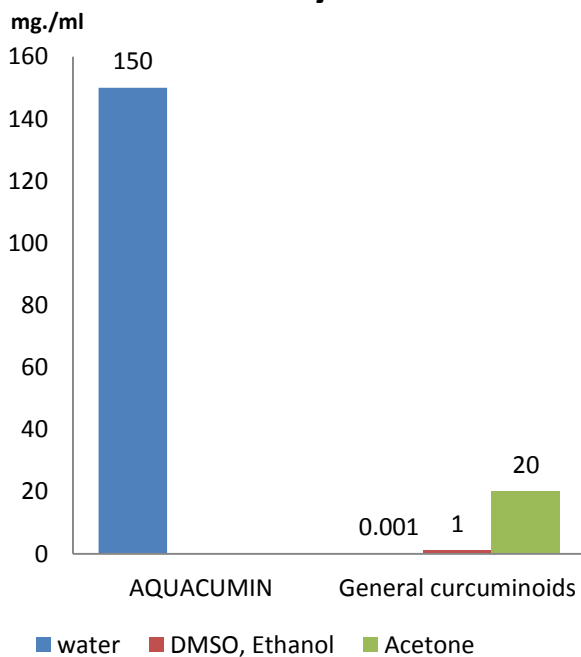
2. Demethoxycurcumin



3. Bisdemethoxycurcumin



### Solubility





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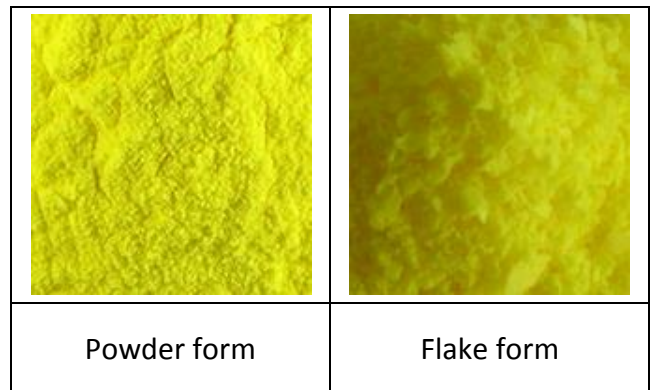
## Benefits

- Reduce oxidation activity which cause cancer especially skin cancer and colon cancer
- Support cancer treatment by reduce adverse effect from chemical
- Protect cells from toxic include DDT and Dioxin
- Inhibit fungal that cause Eczema
- Detox liver and prevent liver from inflammation
- Stimulate fat-burning
- Prevent from Alzheimer's disease
- Reduce oxidation activity in skin and keep healthy skin
- Reduce cholesterol. Reduce inflammation
- Reduce colic
- Reduce gas in stomach that cause from Escherichia Coli3 and Clostridium Perfringens4
- Activate bile secretion

## Application

Our Curcuminoids extract - AQUACUMIN has many forms depends on appearance and curcuminoids' concentration.

- Powder extract form, 400 mcg./g or 2,000 mcg./g. of curcuminoids
- Flake extract form, 400 mcg./g. or 2,000 mcg./g. of curcuminoids



## Packaging

Standard Package: 1kg. Aluminum bag  
We can provide packaging in various types of contains depending on custom requirements.

## Recommended Storage

Store in cool dry place, away from light, excessive heat or freezing temperatures  
Shelf life: 2 years





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### **AQUACUMIN** **Water Soluble Turmeric Extract**

<b>Specification Sheet</b>	
<b>General Information</b>	
Product name:	AQUACUMIN
Product code:	AC400, AC2000
Part of Plant:	Rhizome
Origin:	Thailand
<b>Physical analysis</b>	
Appearance:	Powder or Flake
Color:	Yellow
Odor:	Slightly turmeric flavor
Taste:	Slightly sweet
Appearance after dissolve:	Clear solution
Moisture:	<5%
pH:	3-5
<b>Active content analysis (Quantitative analysis)</b>	
Curcuminoids (mcg/g):	≥ 400 - 2000
<b>Heavy metal analysis</b>	
Arsenic:	Not detected
Lead:	< 0.5 ppm
<b>Food preservative analysis</b>	
Methyl paraben:	N/A
Propyl paraben:	N/A
<b>Microbiology analysis</b>	
Total aerobic plate count:	<10 CFU/g
Clostridium pefringens:	Not detected
Bacillus cereus:	Not detected
Samonella spp.:	Not detected
Streptilyococcus aureus:	Not detected

