



Curcuma  
**Xanthorrhiza**  
Extract



Curcuma Xanthorrhiza or Temulawak belongs to the Zingiberaceae family and is a native plant of Indonesia.

Temulawak has been known as a key ingredient in traditional medicine for centuries and is one of the most used herbs in Indonesian traditional herbal medicine "Jamu". Temulawak is considered a National Icon and valued as the "Indonesian Ginseng".

Numerous pharmacological research has been done since the last 50 years.

The founders of Phytochemindo started its research in 1977 with Curcuma Xanthorrhiza and Curcuma Domestica (Kunyit). Phytochemindo has successfully isolated and separated the two main active components: Curcuminoid and Curcuma Xanthorrhiza essential oil.

Curcuminoid is a powder with a strong yellow colour containing Curcumin and Desmethoxycurcumin. Medicinal uses: liver disorders, choleric, lowering cholesterol and triglycerides, lipid reducing and detoxification. Its appetite stimulant properties make it ideal for children supplement formulations.

Curcuma Xanthorrhiza essential oil contains Xanthorrhizol as the main active constituent for:

- anti-inflammatory
- antibacterial
- anti fungal
- antioxidant
- anti tumor

Very recent pharmacological research by Korean and Indonesian scientists proved that Xanthorrhizol is a potent oral antibacterial against Streptococcus mutants and other oral pathogens preventing caries and periodontitis. Ideal to be used in toothpaste, mouthwash, breath fresheners and chewing gum.

New studies have shown Xanthorrhizol's anti fungal activity against Dandruff and skin problems making it a good candidate for shampoos and hair tonics.

## Extract Specification

Product Name	Curcuma Xanthorrhiza Essential Oil	Curcuminoid
Botanical Name	Curcuma Xanthorrhiza	Curcuma Xanthorrhiza
Common Name	Javanese Turmeric	Javanese Turmeric
Plant Part	Rhizome	Rhizome
Preparation Type	Liquid Concentrate Standardized	Extract Dry Concentrate Standardized
Appearance	Brown Liquid	Yellow Powder
Odour and Taste	Fresh Gingery	Fresh Gingery
Identification	Positive by TLC	Positive by TLC
Active Ingredient	Xanthorrhizol >30% α/β Curcumene > 30%	Curcumin 2-15%