

Curcuma xanthorrhiza (Temulawak) 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 herb 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**. We are known as the pioneer and expert in **Curcuma xanthorrhiza** standardized extracts.

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 makes it ideal for children supplement formulations.

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

- anti-inflammatory
- antibacterial
- antifungal
- 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** antifungal 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 Standardised	Extract Dry Concentrate Standardised
APPEARANCE	Brown liquid	Yellow powder
ODOUR AND TASTE	Fresh gingery	Fresh gingery
IDENTIFICATION	Positive by TLC	Positive by TLC
ACTIVE INGREDIENT	Xanthorrhizol > 30% ar/β Curcumene > 30%	Curcumin 2-15%