

Curcuma longa extract.

TURMISOL

Curcumin has been used extensively in ayurvedic medicine for centuries. It has a variety of therapeutic properties including antioxidant, analgesic, anti-inflammatory, antiseptic and anticarcinogenic activity. Components of turmeric are named curcuminoids¹.



Benefits of Curcuma longa.

➤ **Curcuma longa and its anti-inflammatory action**

Curcuma longa has a long history of use in Ayurvedic medicine as a treatment for inflammatory conditions.

In a Study Curcumin at 50 mg/kg/day in mice with acute pancreatitis for 6 days significantly decreased the pancreas injury and reversed the elevation of serum amylase, alanine transaminase (ALT) and aspartate aminotransferase (AST) activities and TNF- α level.²



➤ **Curcuma longa and antioxidant action**

Treatment with curcumin for 6 weeks in ethanol-exposed mice attenuated ethanol-induced histopathological changes of the liver and ameliorated the evident release of cellular ALT and AST.

In addition, curcumin treatment significantly reversed ethanol induced changes namely reactive oxygen species (ROS) generation, malondialdehyde (MDA) elevation, glutathione (GSH) depletion and antioxidant defense system impairment.

Thus, curcumin provided protection against chronic alcoholic liver disease through antioxidant mechanism.³

➤ **Curcuma longa and bone health**

A study in which Osteoarthritis patients treated with *Curcuma longa* (500 mg twice daily) for 42 days showed significant decrease in severity of pain and function of affected knee joint, assessed by Visual Analog Scale (VAS) and Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC) scale.⁵

Available Grades

- Standardized Curcuminoids 95% - Powder and Granular.
- Standardized Curcuminoids 85% - Ethanol extracted
- Organic turmeric extract.
- Turmisol Water dispersible 10% and 30%.

Dose

450mg/day/adult.

Standardized extract of *Curcuma longa* (Turmeric)

Turmisol is a standardized extract of rhizomes of *Curcuma longa*, a branded extract of Prakruti Product. Curcumin, Cis is the principal active ingredient found in turmeric, a plant used in traditional Asian diets and herbal medicines.

Why Turmisol?

- Turmisol TM is chemically standardized for the active component (curcuminoids) by HPLC analysis.
- Manufactured in a GMP and ISO 9001-2000 certified manufacturing facility.
- The product is Kosher certified.

TURMISOL-WD™

Turmisol-WD has better bioavailability compared with 95% pure curcuminoids. Thus improved bioavailability is important for higher efficacy of the curcuminoids. Based on this when specified needs arise, developed formulation can be given to maintain the contentious uphold of the curcuminoids in blood. This water dispersible curcuminoids preparation, especially at a lower dosage, may be an ideal candidate to obtain benefits of curcumin. Turmisol-WD disperses easily in aqueous system; as well as available as best ingredient choice for dry drink mixes and functional foods.

References:

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2. Yu WG et al., Indian J Med Res. 2011;134(5):717-24.
3. Rong S et al., Phytomedicine. 2012;19(6):545-50.
4. Khajehdehi P et al., J Ren Nutr. 2012;22(1):50-7.
5. Madhu K et al., Inflammopharmacology. 2012 Dec 16.
6. Ho JN et al., J Sci Food Agric. 2012;92(9):1833-40.
7. U.S. Food and Drug Administration. Food Additive Status List. 2005. Available at: <http://www.cfsan.fda.gov/~dms/opa-appa.html>.
8. Gupta SC et al., AAPS J. 2012 Nov 10.
9. Dadhaniya P et al., Food Chem Toxicol. 2011;49(8):1834-42.

Disclaimer: These statements have not been evaluated by the Food and Drug Administration or any other regulatory body. This product is not intended to diagnose, treat, cure or prevent any disease. PPPL/16-17/ Ver 01.

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