

TURMERIC OIL

SYNONYMS

Curcuma longa oils; Curcuma oil; Curcuma longa; Turmeric extract; Curcuma longa L.; Turmeric oleoresin; Zingiberaceae; Curcuma domestica extract; Curcuma longa extract; FEMA No. 3085, 3086, 3087;

PRODUCT IDENTIFICATION

CAS RN	8024-37-1; 84775-52-0
EINECS RN	283-882-1
MAJOR COMPONENT	Curcuminoids, Curcumin (CAS RN.: 458-37-7)
H.S CODE	3301.90.1000

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	yellow to brown viscous liquid
MELTING POINT	
BOILING POINT	
DENSITY	
SOLUBILITY IN WATER	Insoluble
pH	
VAPOR DENSITY	
REFRACTIVE INDEX	1.4850 - 1.5250
FLASH POINT	78 C

GENERAL DESCRIPTION

Turmeric is widely cultivated for its rhizomes which are used as a bright yellow-orange culinary spice. It has been known as poor man's saffron because it offers a less expensive alternative yellow coloring. In turmeric, curcumin is the primary pigment and is generally used in various food industries as a food color. It is mainly used in dairy products, beverages, cereal, confectionary, ice cream, bakery, and savory products. Turmeric is mostly used in flavored milk drinks, cultured milk and desserts to obtain lemon and banana colors in dairy. Turmeric is added at higher levels to sausages, pickles, relishes, sauces, dry mixes, and fish due to its original usage as a spice. (source: <http://www.turmeric.co.in>)

Turmeric Oleoresin

Definition; This is a pigment obtained by extracting ginger and dried rootstock of turmeric (*Curcuma longa* L.) of zingiberaceae with ethyl alcohol, oil, or organic solvent (extraction solvents for spices and oleo resins). The major pigment is curcumin ($C_{21}H_{20}O_6 = 368.37$). Dilutant, stabilizer, or solvent can be added for the purpose of color value adjustment and quality preservation.

Description: Turmeric Oleoresin is yellow ~ dark reddish brown liquid, lump, powder, or paste with a slight characteristic scent. Turmeric Oleoresin is dissolved in ethyl alcohol (if it is water soluble, it is dissolved in small amount of water and then ethyl alcohol is added). The concentration is adjusted so that it has almost same tone of color as potassium bichromate solution (1→1,000) (Test Solution). (source: <http://www.ddwilliamson.com>)

SALES SPECIFICATION

APPEARANCE	yellow to brown viscous liquid
CURCUMINOIDS	35 – 40%
VOLATILE OILS	25 – 30%
ARSENIC	3ppm max
LEAD	5ppm max
HEAVY METALS	20ppm max



TURMERIC OIL

MICROBIAL CONTENT Total plate count : Less than 1000 cells/gram
Yeast and Mould : Less than 100 cells/gram
E coli : Negative/ gram
Salmonella : Negative/ 5 grams

PACKING

20kg/can, 200kgs/drum

PRICE

