

Milk Thistle Extraction

Cat. No. MTE-001

Lot. No. (See product label)

Product Name

Milk Thistle Extraction

Botanical Source

Silybum marianum (L.) Gaertn

Part Used

Seeds

Identification

Thin Layer Chromatography

HPLC

Package

25 kg/paper drum

Assay

Silymarin UV 80%

Silymarin HPLC 40%-60%

Silybin & Isosilybin 30%

Extraction Solvent

Acetone, ethanol or ethyl acetate

Product Description

Milk thistle is a plant that is native to Europe and was brought to North America by early colonists. The above-ground parts and seeds are used to make medicine. Historically, people have used milk thistle for liver disorders, such as hepatitis and cirrhosis, and gallbladder problems. Milk thistle contains several groups of substances: Flavonolignans: Silymarin an isomer mixture of the flavonolignans silybin, silychristin and silydianin and other flavonolignans like isosilybin, isosilychristin, dehydrosilybin and dehydrosilychristin.

Applications

Medicinal, healthcare products

Main Functions

Milk thistle is taken by mouth most often for liver disorders, including liver damage caused by chemicals, alcohol, and chemotherapy, as well as liver damage caused by Amanita mushroom poisoning, nonalcoholic fatty liver disease, chronic inflammatory liver disease, cirrhosis of the liver, and chronic hepatitis.

Some people use milk thistle topically to treat radiation-damaged skin.

Milk thistle leaves and blooms are consumed in meals as a spinach alternative and as a vegetable in salads. The seeds are roasted for use as a coffee substitute.

Quality Guarantee Period

3 years

Storage

Keep in a closed, light-proof and dry place. Avoid direct sunlight.

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