

# FISETIN

Pure by Nature, Life by Science

## HANGZHOU PURELIFE BIOTECH CO., LTD

Premium Fisetin Manufacturer & Innovation Leader

### WHAT IS FISETIN?

Fisetin (3,3',4',7-tetrahydroxyflavone) is a natural flavonoid compound found in various fruits and vegetables, including strawberries, apples, persimmons, onions, and cucumbers. As a potent plant-based bioactive compound, fisetin has garnered significant attention in the scientific community for its remarkable health-promoting properties.

**Chemical Formula:** C<sub>15</sub>H<sub>10</sub>O<sub>5</sub> | **Molecular Weight:** 286.24 g/mol | **CAS Number:** 528-48-3

### KEY BENEFITS

- **Powerful Antioxidant:** Fisetin exhibits strong free radical scavenging activity, helping protect cells from oxidative stress.
- **Cellular Health Support:** Research suggests fisetin may support healthy cellular function and promote longevity pathways.
- **Cognitive Function:** Emerging studies indicate fisetin's potential to support brain health and cognitive function.
- **Anti-Inflammatory Properties:** Fisetin demonstrates anti-inflammatory effects supporting overall wellness.
- **Senolytic Activity:** Recent research has identified fisetin as a promising senolytic compound.

### WHY CHOOSE PURELIFE BIOTECH?

- **Premium Quality Standards:** ≥98% HPLC purity, comprehensive QC with COA for every batch
- **Science-Driven Innovation:** Dedicated R&D; team with advanced extraction technology
- **Natural & Sustainable:** Plant-based sourcing with environmentally responsible processes
- **Reliable Supply:** Consistent production capacity with flexible packaging options

### PRODUCT SPECIFICATIONS

| Parameter          | Specification             |
|--------------------|---------------------------|
| Product Name       | Fisetin                   |
| Batch No.          | PL260313                  |
| Botanic Name       | Cotinus coggygia Scop. L. |
| Plant Part         | Stem                      |
| Appearance         | Light Yellow fine powder  |
| Purity (HPLC)      | NLT 98% (Result: 98.30%)  |
| Type of Extraction | Alcohol & Water           |
| Manufacturing Date | 2026-MAR-13               |

|             |             |
|-------------|-------------|
| Expire Date | 2028-MAR-12 |
|-------------|-------------|

## HEAVY METALS

| Parameter    | Specification | Result   |
|--------------|---------------|----------|
| Arsenic (As) | NMT 2 ppm     | Complies |
| Cadmium (Cd) | NMT 1 ppm     | Complies |
| Lead (Pb)    | NMT 3 ppm     | Complies |
| Mercury (Hg) | NMT 0.1 ppm   | Complies |

## MICROBIOLOGICAL TESTING

| Parameter         | Specification  | Result       |
|-------------------|----------------|--------------|
| Total Plate Count | NMT 1000 CFU/g | Complies     |
| Yeast & Mold      | NMT 100 CFU/g  | Complies     |
| E. coli           | Negative/1g    | Negative/1g  |
| Salmonella        | Negative/10g   | Negative/10g |
| S. aureus         | Negative/1g    | Negative/1g  |
| Listeria          | Negative/25g   | Negative/25g |

## APPLICATIONS

- **Dietary Supplements:** Capsules, tablets, and softgels
- **Functional Beverages:** Ready-to-drink formulations
- **Food & Nutrition:** Fortified foods
- **Cosmetics:** Anti-aging skincare
- **R&D;:** Pharmaceutical research

## PACKAGING & STORAGE

**Packaging:** 1kg foil bag | 5/10/25kg drum with double PE bag

**Storage:** Sealed, dry, light-proof place | Shelf life: 2 Years

## QUALITY ASSURANCE

Every batch undergoes rigorous testing: HPLC analysis, heavy metal screening, microbiological testing, residual solvent analysis, and aflatoxin testing.

**Quality Conclusion:** ■ COMPLIES

## CONTACT US

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