

Turmeric Analysis Test

What is turmeric powder?

- Turmeric, a plant in the ginger family, is native to Southeast Asia and is grown commercially in the region, primarily in India. Its rhizome (underground stem) is used as a culinary spice and traditional medicine.
- Today, turmeric is promoted as a dietary supplement for a variety of conditions, including arthritis, digestive disorders, respiratory infection, allergies, liver disease, depression, and many others.



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Laboratory Tests

- **Microbial test**
- **Moisture**
- **Ash content**
- **Insoluble ash**
- **Total lipids**

Standards for Turmeric powder

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Microbial test

Microbiological analysis is a method to test for the detection and identification of microorganisms. It is often applied to disease cause and spoilage microorganisms.



Ash content

This method refers to the minerals and inorganics left after the food sample has been heated to a very high temperature removing moisture, volatiles and organics.

Acid Insoluble Ash

This test determines the resistance of aggregates to loss when exposed to a hydrochloric acid solution.



Moisture

This method is based on removing moisture from the turmeric sample. This test determines how well the turmeric powder is dried. After drying, the turmeric powder should be packaged in jute bags and stored in a well-ventilated warehouse.

Total Lipid

This test determines the total amount of fat in the powder. This includes both saturated and unsaturated fats.

