



TUBER SPICES TESTING

Turmeric and Gingerol are the most important additions to food across the world. Since ancient times spices have been in much demand all over the world. They not only fulfill the function of adding color and flavor to food, but also fulfill purposes like preservation, medicinal benefits, nutrition and so on. Today, spices are also listed as commodities and are traded in various commodity exchange markets.

SPICE QUALITY TESTING AND ANALYSIS:

Spices are high value commodities that have to stand the test of various quality parameters like taste, texture, appearance and also must be safe for consumption. Spice quality testing and analysis not only approves the above-mentioned parameters but also approves the additives that are being used if any. It also monitors if any harmful contaminants are being used and regulates during the procurement, processing and packaging.

Dried food is generally low on risk of contamination due to restricted growth of micro-organisms. Henceforth, most of the food items are sun-dried, heated or refrigerated to restrict the growth of moisture. However spices bring with them a different set of complications. Since spices cannot be heated and dried like other herbs, to maintain its color, texture and flavor, getting their quality tested at a certified spice testing laboratory is mandatory. Testing also ensures that individuals never face any health hazards in the form of food poisoning from contaminants or adulterants.

Spice testing is imperative to maintain quality across different stages, and to ensure the end-consumer gets the best quality. It is imperative to have an uncompromised level of quality to maintain your position in business. Also, having the best quality will boost export opportunities for businesses in India. To ensure quality and that safety parameters are met as per regulations, testing, evaluation and analysis is done through different processes.



HOW CAN WE HELP YOU?

Eureka Analytical Services (Eureka) is a partner lab of GBA Group, Hamburg, a leading bio-analytical testing company headquartered in Germany.

Eureka is a provider of **testing, inspection and auditing services** for food, agricultural commodities, feed, nutraceuticals, pharmaceuticals and environment, with labs in **Bangalore, Kundli-Delhi/ NCR** and **Unjha-Gujarat**.

Eureka provides testing in India for spices like pepper, turmeric, cinnamon, dry ginger, Dried chilli etc. We have the capabilities to ensure screening for more than 600+ pesticide residues, meeting the export regulations of various industries. We also screen for multiple non-permitted dyes including the likes of Rhodamine and Sudan compounds with Ochratoxin A and Aflatoxins.

Our scope of services, can cater to your requirements for testing of conventional and ORGANIC Products to meet both, domestic and export requirements for the EU countries, USA, Japan, Korea, Australia/ NZ, CODEX for IPM products.

PARAMETERS:

- **Physical analysis** – purity, particle size analysis (sieve analysis)
- **Pesticide residue analysis** by LC-MSMS and GC-MSMS covering all regulatory list of residues for all the agricultural commodities
- **Microbiological parameters**– Total Plate count/ Total viable count, Yeast & Mould Count, Food pathogens like E.coli, Salmonella, S. aureus, Listeria
- **Chemical parameters**– moisture, volatile oil, oil content, curcumin, gingerol, Color value, bulk density etc
- **Allergens by ELISA**– Peanut allergen, Sesame Allergen, Mustard Allergen, Gluten allergen, Soy allergen by ELISA and PCR
- **Mycotoxins**– Aflatoxin B1, B2, G1 & G2 and Ochratoxin
- **Heavy metals** – As, Pb, Cd, Hg, Cr etc
- **Dyes**– Sudan Dyes, Illegal dyes, and Lead Chromate and Heat Value (SHU)
- **DNA Barcoding, PAH, GMO analysis**
- **ETO Residue Analysis** along with 2-Chloroethanol in all matrices with LOQ of 0.01mg/kg
- **Glyphosate, Glufosinate, AMPA, Polar pesticide**
- **Chlorate and Perchlorate**
- **BAC, DAC**



The TAT we can offer for Pesticide Residues, Chemical & Physical analysis from our site will be 24-48hrs.

As always, **Eureka** is here to support you not only with our **sampling, testing and inspection services**, but also with **expert advice on related topics**.

Please email us for all your upcoming requirements on testing as per above values.