

Mycotoxins Testing



Mycotoxins are secondary metabolites of Mycotoxigenic fungi that are poisonous to humans and other animals if consumed in sufficient quantities. When ingested by animals or humans, Mycotoxins cause a toxic response known as Mycotoxicosis.

Mycotoxins are generally produced during the growth or storage of food commodities (e.g. cereal grains, nuts, corn, coffee, wine, beer, grape juice, sorghum, rice, dried beans, apples, pulses, cacao products, spices, and some animal-derived products). Enhanced awareness about Mycotoxins-caused illnesses is reflected by the growing number of countries that have adopted regulations which define acceptable limits/levels for presence of these Mycotoxins in commodities.

At TUV India Food Testing laboratories, we use latest analytical techniques such as HPLC and LCMS/MS using internationally validated methods to analyze Mycotoxins in various food matrices.

Different Mycotoxins can disrupt critical hormonal systems, damage organs, compromise the immune system, or cause cancer. Mycotoxin contamination can be managed by disseminating knowledge about Mycotoxins, predicting and preventing contamination, detecting Mycotoxins in grains, effective use of contaminated grain, and breeding crops for fungal resistance.



Mycotoxins control are widely regulated by most countries. At TUV India we cover testing as per the EC 1881/2006, FSS (Contaminants, toxins and residues) regulations, GSO 841/1997 (Aflatoxin residues), and other important regulations for same.

Sr. No	Mycotoxin	Food matrix commonly found in	TUV LOQ
1	Aflatoxins B1, B2, G1 & G2	Cereals, Pulses, Nuts (Peanut), Oilseeds, spices	1 µg/kg
2	Aflatoxin M1	Milk	0.010 µg/kg
3	T2 Toxin	Wheat, Maize, Barley, Oats	10µg/kg
4	Patulin	Apple	50 µg/kg
5	Zearalenone	Wheat, Barley, Maize	10µg/kg
6	Ochratoxin A	Wheat, Barley, Rye	1µg/kg
7	Deoxynilvalenol	Wheat	10 µg/kg
8	Fumonisin B1 & B2	Corn	10µg/kg



About Us:

TUV India Pvt. Ltd. (TÜV NORD GROUP) is a customer-focused, innovative, and independent, technical, quality & safety services organization, dedicated to providing future-proof solutions through technological excellence for the success of its customers with the highest level of integrity. With a presence at over 40 strategic locations in India; a branch office in Sri Lanka and Bangladesh; state-of-the-art laboratories at Pune, Bengaluru, Noida and Jamnagar; 100 important countries worldwide and through digital means, we are always connected to you, our esteemed customer, anywhere, anytime.

We are proud to provide increasing levels of services to the best known, largest global and national companies as well as medium and small industries in diverse sectors like Oil & Gas, Petro-chemical, Nuclear, Renewables, Infrastructure, Food, Power, Manufacturing, Chemicals, Pharma,

Paper, Automobiles, Railways, Aerospace, Defence, IT, Health, Hospitality, Retail, etc.

Over 1400 competent and experienced TUV India experts spread across India and over 14000 TÜV NORD experts all over the world, enthusiastically support our clients by providing value-added services in Industry Inspection, European / International Approvals, Management System & IT Certification, Sustainability, Energy Audit, Water Audit, Carbon Services, Building Infrastructure & PMC, Renewable Energy, Food & Packaging Testing, Food Certification & Inspection; Testing of restricted and banned chemicals in Automotive and Electrical & Electronics components and other regulated industries, Product Testing – Electricals, Electronics and Industrial Machinery; Product Certification; Petroleum, Chemicals & Gas Cargo Inspection; Petroleum, Chemicals & Gas Testing; Railway Technology; Engineering, Safety Studies, and knowledge enhancing training programs under TÜV India Training Academy.

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