

Seed Loading Analysis

What is seed loading analysis?

The determination of loading accuracy of treated seed lots using high performance liquid chromatography by comparing rate of active ingredient(s) on the seed to the target rate

Why measure seed loading?

- To ensure the delivery of high-quality treated seed to farmers and growers, guaranteeing optimal crop protection
- To verify the accurate dosage of plant protection product(s) applied to the seed, ensuring it is neither under-dosed nor over-dosed

Our services

- Testing using High Performance Liquid Chromatography with Ultra-Violet detection (HPLC-UV) to determine the percentage rate of a single or multiple active ingredients
- Method development for new methods and active ingredients, tailored to specific requirements
- Analysis conducted by highly skilled personnel with extensive technical expertise in residue analysis
- Dedicated seed loading laboratory equipped with regularly maintained and calibrated instruments
- Robust results achieved through duplicate sample extraction and multiple instrument injections
- Fast result turnaround time, ensuring prompt decision-making
- Results reported a concise standard report format

Additional services

- Heubach testing (dust-off) in accordance with the ESTA method, with the convenience of sending samples to a single laboratory
- Germination studies conducted following the International Rules for Seed Testing 2019 (ISTA), providing comprehensive seed viability information

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