

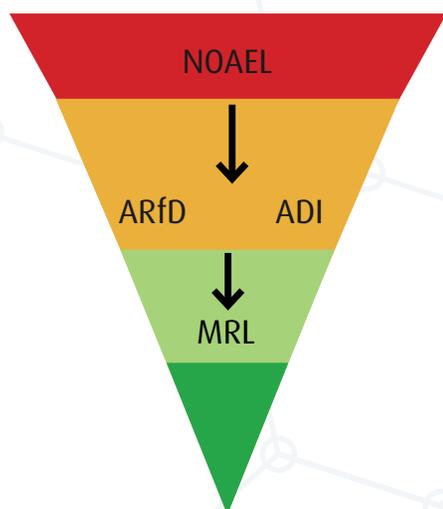


Consumer Risk Assessment

YOUR FIRST CHOICE FOR ANALYTICAL TESTING SERVICES

Regulation (EC) No 396/2005 and amendments lays down specifics regarding control of pesticides in foodstuffs. This document contains the Maximum Residue Limits (MRLs) for each pesticide and commodity pair.

MRLs are legal limits and exceedance of these limits does not necessarily imply a risk for the consumer. As the below diagram shows the different levels that are established before establishing a MRLs.



No Observable Adverse Effect Level

Acute Reference Dose

- » Safe amount of a substance which can be ingested on a single day

Acceptable Daily Intake

- » Safe amount of a substance which can be ingested everyday over an entire lifetime

Trade standard to check that a pesticide has been applied correctly



To assess the toxicological risk to the consumer a calculation can be performed. Risk assessment may focus on two different time frames of the exposure. Long-term (chronic) exposure or short-term (acute) exposure. Chronic exposure will make use of the ADI value for a pesticide where the acute will use the ARfD.

For retailers and other risk assessors the ARfD value along with various other parameters, some listed below, are utilised to assess the consumer risk of a pesticide residue that was detected or exceeded it's MRL.

- » Large portion size, Unit Weight, Variability factor, Average body weight

The consumer risk assessment can be carried out using either the NESTI model or IESTI (PRIMO) model.

At ALS we are able to carry this out on request. Please get in touch with us to find out about the range of services we can offer to help with your pesticide testing requirements.



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YOUR FIRST CHOICE FOR ANALYTICAL TESTING SERVICES



We are responsive to our clients' needs and offer a service that you can rely on.



Proven track record in the delivery of reliable results:

- » 5 working day turnaround as standard for our multi residue screens.
- » Priority services available - offering same day and next day testing options.



High attention to quality and process control to ensure operational excellence whilst delivering precise and accurate results.



Industry leading expertise.

- » Delivery of regular technical training to our own team members and also to our client base.
- » Training courses and Webinars offered to strengthen your team's knowledge by sharing our experience & knowledge with you.



ALS has an industry-leading data management portal 'ALSolutions' where clients can track and trend results. This is an easy to use service with proactive technical support.

Contact Us

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