



Gluten Frequently Asked Questions and Answers

The laboratory shall have gained recognised laboratory accreditation or, where no such accreditation is available, they shall operate in accordance with the requirements and principles of ISO/IEC 17025.

Advanced Laboratory Testing (ALT) is an INAB Accredited Laboratory.

The ALT Quality Department continually ensures that each of our Testing Laboratories carries out its testing activities in compliance with the requirements of the International Standard “General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025).

The ALT INAB Accreditation Certificate (315T) can be downloaded using the following link:

<https://www.inab.ie/FileUpload/Testing/Advanced-Laboratory-Testing-Cert-315T-.pdf>

The analytical method shall be an R5 sandwich ELISA (Mendez method), unless testing hydrolysed gluten, where a modification of the R5 ELISA (competitive ELISA) is required.

The ALT analytical method (ACTM001) uses R5 Mendez method for gluten detection. This is a sandwich enzyme based immunoassay (ELISA) based method which detects the main prolamin of wheat gliadin.

Whilst the laboratory itself may have accreditation, the actual test methods used must also be accredited. Where accredited methods are not available, there must be suitable documentary assurances that the laboratory is working to the requirements and principles of ISO 17025.

The ALT analytical method (ACTM001) is Accredited and contained on our INAB Schedule of Accreditation which can be downloaded using the following link:

<https://www.inab.ie/FileUpload/Testing/Advanced-Laboratory-Testing-315T.pdf>

The critical limit for gluten contamination is 20 mg/kg (ppm) for gluten-free products.

The Range Of Application for the ALT Gluten Analytical method is 5 - 80mg/kg as Gluten.

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