



SYNLAB

SERVICE LIST

| Description | Method | UKAS Accredited | Sample : Swab ROQ/LOD |
|---|----------------|----------------------------------|--|
| ALLERGEN TESTING (Quantitative unless stated) | | | |
| Almond | ELISA | Yes | 0.4 - 10 ppm : 0.4 - 10 ppm |
| β-Lactoglobulin | | Yes | 0.5 - 13.5 ppm : 0.5 - 13.5 ppm |
| Casein | | Yes | 2.5 - 67 ppm : 0.12 - 3.4 ppm |
| Cashew | | Please ask | 2 - 60 ppm : 2 - 60 ppm |
| Crustacea | | Yes | 0.1 - 2 ppm : 0.1 - 2 ppm |
| Egg | | Yes | 0.5 - 13.5 ppm : 0.5 - 13.5 ppm |
| Fish (Cod Parvalbumin) (buckwheat cross-reactivity) | | Please ask | 5 - 125 ppm : 0.2 - 5 ppm |
| Gluten R5 Mendez | | Yes | 5 - 80 ppm : 0.125 - 2 ppm |
| Hazelnut | | Yes | 1 - 40 ppm : 1 - 40 ppm |
| Lupin | | Please ask | 2 - 30 ppm : 0.2 - 3 ppm |
| Mustard (rapeseed cross-reactivity) | | Yes | 0.5 - 13.5 ppm : 0.5 - 13.5 ppm |
| Peanut | | Yes | 1 - 40 ppm : 1 - 40 ppm |
| Sesame | | Yes | 2 - 20 ppm : 2 - 20 ppm |
| Soya | | Yes | 10 - 100 ppm : 10 - 100 ppm |
| Walnut | | Please ask | 2.4 - 120 ppm : 0.24 - 12 ppm |
| Gluten Competitive (for Beer/Syrup Samples) | | Yes | 10 - 270 ppm |
| Lactose | | Enzymatic Assay | Please ask |
| Low Level Lactose (Product samples) | Subcontracted | Yes | 10 ppm |
| Low Level Lactose (Swab samples) | | No | 10 ppm |
| Sulphites (SO ₂) (Product Samples) | Subcontracted | Yes | 10 mg/kg (10ppm) |
| Sulphites (SO ₂) (Swab Samples) | | Yes | 10 mg/kg (10ppm) |
| Mollusc (By PCR) | PCR | Yes | 0.005% (50ppm) |
| Wheat (Qualitative) (rye cross-reactivity) | | No | 0.01% (100 ppm) |
| Mollusc (Qualitative) | | Yes | <0.4ppm |
| Celery (celeriac cross-reactivity) (Qualitative) | | Yes | <1ppm |
| Single Nuts - choose Almond; Brazil; Cashew; Hazelnut; Macadamia (Queensland nut); Peanut; Pecan; Pistachio; Walnut (Qualitative) | | Please ask | 0.001% |
| 9-Nut Screen (9-Nuts as above, Qualitative) | Please ask | 0.001% | |
| MYCOTOXIN TESTING (Quantitative unless stated) | | | |
| Aflatoxin Total (B ₁ +B ₂ +G ₁ +G ₂) | ELISA | Please ask | 1 - 20 ppb |
| Aflatoxin B ₁ | | Yes | 1 - 50 ppb |
| Aflatoxin M ₁ | | Please ask | 5 - 80 ppt (milk samples) |
| DON | | Yes | 0.222 - 6 ppm |
| Fumonisin | | Please ask | 0.22 - 6 ppm |
| Ochratoxin A | | Please ask | 2.5 - 90 ppb |
| T-2 Toxin | | Please ask | 50 - 400 ppb |
| Zearalenone | | Please ask | 50 - 400 ppb |
| OTHER | | | |
| Histamine | ELISA | Please ask | 2.5 - 250 ppm : 0.5 - 50 ppb |
| Protein Determination | Chemical Assay | | Variable (25ug/ml Typical) |
| AUTHENTICITY & ADULTERATION (Qualitative) : Note Bespoke Primer Design 3-4 Week Turnaround | | | |
| Meat Species - choose: Cattle, Chicken, Horse, Pig, Sheep, | PCR | Yes* | LOD: 1%*. 0.1% and 0.5% available by request (not accredited) . |
| QUALITATIVE Single Species Other - choose: Deer, Goat, Water Buffalo, Pheasant, Tomato, Garlic, Langoustine/Scampi, Tuna, Cod, Haddock, Catfish, Coley/Pollock, (Please check for other fish species available) | | | |
| Next Generation Sequencing authenticity testing (NGS) Not suitable for swabs. | Subcontracted | Partial | LOD: 0.5% |
| Bespoke Species ID (pure samples only) - sequencing | PCR & Seq | | N/A |
| Bespoke Species ID (primer design) | PCR | | Variable |
| GMO DETECTION (Qualitative) | | | |
| 2-Screen (e.g. CaMV35s/NOS) | PCR | Yes (Sample dependent) | LOD: 0.1% |
| Single Trait: CaMV35s Promoter; NOS Terminator; Roundup Ready Soya; Bt176 Maize; CP4epsps, BAR, nptII, pat, DP305423, DP356043, LY038 | | Yes (Sample and trait dependent) | |
| Screens for: Flax, Honey, Sugar Beet, Soya, Maize, Canola, Potato, Rice, Cotton. Please ask for details/advice. | | | |
| GMO DETECTION (Quantitative) | | | |
| Roundup Ready Soya or CaMV35s Promoter | PCR | | 0.09-10% |
| SWABBING KITS (inc Swabs, Sample Tubes, Swabbing Solution, Forms & Labels) | | | |
| Swab kits are supplied free of charge when returned to Genon Laboratories for analysis (cost of carriage will be invoiced). | | | |

* Chicken Test: Note the chicken test may cross-react with turkey.

Emergency Testing available. Please enquire about prices and turnaround.

Flexible Scope: SYNLAB Food Testing has the capability to UKAS accredit any quantitative ELISA and qualitative RT PCR tests under Flexible Scope - to submit your request please call or email us

Visit www.synlab.co.uk, call 01422 884287 or email food@synlabuk.com for a sample submission form.

All testing is done at our own laboratories unless stated and is subject to SYNLAB Food Testing's Terms and Conditions. Other services are available. Micro, nutritional, metals and pesticide analysis may be arranged with a subcontractor laboratory. Please contact us if you require a quotation for any other services.