

# Faults with your food? Customers complaining? Problems in production?

Public Analyst Scientists deliver fast and reliable results, backed by many years of experience in the field.

## UK wide service

- A large team of Public Analysts
- Examining hundreds of Food Complaints every year
- Providing UKAS accredited, expert opinion and interpretation
- Simple, concise customer reports
- Highly detailed images of foreign bodies
- Easy on-line sample query – just register, tell us what you need investigating and request a quotation.



## Public Analysts

Our Public Analysts have unrivalled experience of dealing with food testing covering everything from:

- Foreign Objects
- Taints and "Off-Flavours"
- Food Authenticity, Quality and Safety

We don't just test, we forensically investigate, providing expert opinion and interpretation to help you resolve issues quickly and effectively. This gives you confidence and reassurance that you are getting the best possible answer to your queries. Helping your root cause analysis.

Other advantages include:

- Confidential services
- Backed up by reference standards
- Can hold client reference database

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**[www.publicanalystservices.co.uk](http://www.publicanalystservices.co.uk)**

Expert analysis, opinion  
and advice

## Foreign Object Identification



Insects



Plastic



Glass

### Animal Tissue

- Bones, blood, teeth and cartilage
- Fingernails, hairs and feathers
- Excrement and urine

### Insects

- Classification of Invertebrates, eggs and larvae, insects, frass
- Testing for heat treatment
- Packaging damage (entrance/exit holes)

### Vegetable Matter

- Leaves, fibres and wood

### Plastics, Rubbers and Packaging Materials

- Plastic identification—Chemical tests, pyrolysis, melting point
- FT-IR Spectroscopy (on deplasticized polymeric material)
- Paper, man-made fibres

### Miscellaneous

- Stones, dust dirt, charred materials

## Taint and Off-Flavours



Solvents



Disinfectants



Musty

### Taints

- Plastic
- Urine
- Bleach
- Paraffin/petrol
- Medicinal

### Off-Flavours

- Burnt/charred
- Soapy/detergent
- Sour/sweet/sickly
- Acidic
- Bitter

## Authenticity and Quality



Spirits



Chocolate



Mouldy

### Authenticity

- Counterfeit Spirits Identified
- Meat and Fish DNA Identification and Quantification in mixtures
- Common Wheat in Pasta
- GMO Identification and Quantification
- Identification of Plants and Animals by next generation DNA fingerprinting

### Quality

- Sugar and Fat Bloom on chocolate
- Volatile amines from decomposition of meat and fish
- Rancidity of fats & oils
- Heavy Metals contamination
- Dioxins and PAH's from smoke

### Microbiology

- Identification and Viability of Food Moulds
- Haze and sediments in Drinks