

**Would you like to enhance  
the food safety of your production  
and the performance of your processes?**

**With the fluorometer analyser**

**Fluoralys  
Solids**

- Analyse your samples in 1 minute
- Control your cooking processes
- Limit the level of newly formed compounds (acrylamides, etc.)
- Measure and control your raw materials and finished products



Chips



Cereals



Coffee



Cookies



Cooked meats

# Why choose Fluoralys Solids?

Our fluorometer analyzer is designed to ensure quality control of your solid products.

- **Analyze your samples in just one minute** and save valuable time in your daily checks and batch monitoring.
- **Your cooking steps are controlled** and the formation of new compounds such as acrylamides is monitored.
- **Your processes are optimized** and consistent quality is guaranteed with this versatile and intuitive solution.
- Access new information with **spectral analysis** (identification of hidden components, detection of anomalies, etc.).

## Applications

**Fluoralys Solids** is a decision-making tool that facilitates industrial management. The typical raw materials and products it can analyse include:

- **Raw agricultural products:**
  - Grains and cereals (wheat, maize, etc.)
  - Coffee
  - Cocoa beans or powder
- **Processed food products:**
  - Food powders (flour, chicory, cocoa, etc.)
  - Biscuits, crisps, chips, dry snacks
  - Roasted grains and cereals (malts, coffee beans)
  - Meat products (cooked meats, etc.)



## The advantages of fluorescence spectroscopy

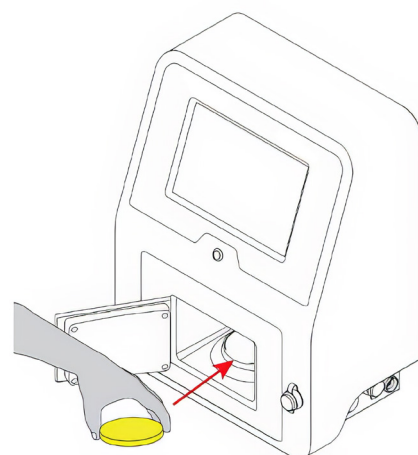
- Extreme sensitivity enabling detection of very low concentrations in powders and solids
- Non-destructive method, preserving sample integrity during analysis
- High specification thanks to the ability to target specific molecules in complex mixtures
- Versatile application in laboratories and industrial environments
- Ability to develop applications tailored to your needs thanks to our teams of modelling experts

# Measure quickly and easily in the workshop or laboratory

*The sample is analysed by simple grinding, which is carried out by placing a Petri dish in the chamber of the device.*



Sample → Analysis → Results



## The advantages of Fluoralys

### Quick and easy analysis

Get your results in just **1 minute** thanks to direct sample analysis. No chemicals or special training required (easy to use by production operators): **a real time and cost saver.**

### Versatile use

The device can be adapted to a wide variety of food products (**powders, solids, crisps, coffee, biscuits, cooked meats, etc.**) and replaces several pieces of equipment. This allows you to reduce your equipment investment.

### Customised analyses

**Through learning and modelling**, the device calibrates itself to your recipes, processes and internal standards. Your quality controls become **personalised and fully tailored to your needs.**

### Advanced technology for greater precision

Based on **fluorescence spectroscopy**, this technology ensures reliable, accurate results and paves the way for new information about your products. An ideal tool for **optimal quality control.**

### Compact, lightweight and practical

Weighing only **7.2 kg** and with reduced dimensions (**490 x 380 x 240 mm**), it fits easily into your laboratory or directly onto your production lines, benefiting from an IP54 protection rating (splash-proof and dust-proof).

### Modern & connected interface

Enjoy a **10-inch touchscreen**, **128 GB** of expandable storage and comprehensive connectivity (USB, Ethernet, Wi-Fi, 4G). You benefit from intuitive handling, automatic data classification, **simplified sharing of results**, and direct integration with your traceability systems or corporate networks.

### Reliability and monitoring

Integrated optical control tools guarantee **stability and repeatability** over time. The result: **fewer errors and non-conformities.**

# Spectralys, the expert in real-time quality control

As a subsidiary of the Chauvin Arnoux Group, we develop equipment using fluorescence spectroscopy for rapid qualitative and quantitative analysis of liquid and solid materials.

Measurements are based on capturing the spectral image of the sample, which reflects its characteristics. This image provides direct data or allows other quality criteria to be modelled by comparison with a reference.

The potential of fluorescence makes Spectralys devices innovative tools for securing customers' activities and giving them access to new information.

## Key strengths



**Expertise  
of the teams**



**Backed by  
the Chauvin Arnoux Group**



**Cutting-edge technological  
solutions**



**Continuous R&D  
innovation**

## Technical specifications

|                              |                                                                                    |
|------------------------------|------------------------------------------------------------------------------------|
| Measurement technology       | Fluorescence spectroscopy                                                          |
| Sources lumineuses           | 6 UV/Visible LEDs x1 mode (front)                                                  |
| Detector                     | CMOS                                                                               |
| Display                      | 10-inch graphic touchscreen                                                        |
| Connectivity                 | 2 USB ports, 1 RJ45 Ethernet port                                                  |
| Dimensions                   | 490 x 380 x 240 mm                                                                 |
| Weight                       | 7.2 kg                                                                             |
| Mains power supply           | 110-230 VAC, 50-60 Hz<br>Adapter supplied                                          |
| Matrices measured            | Powder or solid (chips, fries, coffee, cereals, cooked meats, biscuits and others) |
| Average sample analysis time | 1 to 3 minutes                                                                     |
| Other specification          | IP54                                                                               |

## To order

Fluoralys Solids.....P32200410  
Spectral calibration standard.....P32200415  
Power supply unit.....P32200416  
Model.....SP2740

## Contact



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*Measure up* 