

**Service ID**

**Location** Spain



## **Validation of an intelligent microscope for automated honey quality analy**

### **Provider service**

University of Cordoba (UCO)

### **Link to content**

<https://www.agrifoodtef.eu/services/validation-intelligent-microscope-automated-honey-quality-analysis-through-pollen-analysis>

### **Type of Sector**

Food processing

### **Accepted type of products**

Data, Physical system, Software or AI model

### **Type of service**

AI model training, Collection of test data, Data analysis, People training, Performance evaluation, Test execution, Test setup

### **Description**

The validation of the service will be carried out using honey samples, which will be examined through the established traditional unitary methodology and with an AI-equipped microscope. The results will be statistically compared to determine the error rate of the AI in the analysis.

## **How can the service help you**

Validation through traditional analysis of honey samples allows the company to improve and determine the condition of the equipment, providing useful information to assess the state of the product.

## **How the service will be delivered**

The service can be customised to meet specific customer needs, adapting the number of samples evaluated and the origin based on the requirements of each company, being able to provide samples from the university collection.

## **Service customisation**

Chemical analyses will be conducted in the laboratory using both methodologies, evaluating each sample on the same day according to each method. Pre-collected samples will be used, and once the analysis results are obtained, they will be compared to establish the error levels present in each.