FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS
Terms of Reference for Intern *

Name:			
Job Title:**	Food Safety & Authenticity		
Division/Department:	Joint FAO/IAEA Division of Nuclear Techniques in Food and Agriculture (AGE)		
Programme/Project Number:			
Duty Station:	Seibersdorf, Austria		
Expected Start Date of Assignment:	1 September 2019	**Duration:**	11 months
Reports to:	***Name:*** Mr Qu Liang	***Title:***	Director AGE

* Please note: If this TOR is for Consultant / PSA.SBS contract, the minimum relevant experience required **for the assignment** is as follows:
1 year for a category C 5 years for a category B 12 years for a category A

** Please enter a short title (max 25 chars) for this assignment.

GENERAL DESCRIPTION OF TASK(S) AND OBJECTIVES TO BE ACHIEVED

Under the supervision of the Laboratory Head (Food and Environmental Protection Laboratory, FEPL) and professional staff, the fellow assists research and development and capacity building activities at FEPL of the Joint FAO/IAEA Division in:

- Implementation of the laboratory work of the sub-programme on food authenticity testing;
- Development of nuclear and spectroscopic analytical methods for food control, including food safety and authenticity;
- Analysis of food samples to build databases of spectra/characteristics of authentic food products.

KEY PERFORMANCE INDICATORS

Expected Outputs:	Required Completion Date:
• Proficiency developed in sample preparation techniques for food authenticity testing • Methods implemented, working with laboratory staff, for food authenticity testing using spectroscopic techniques (near- and mid-infrared techniques, ion mobility spectrometry) and chemometric data treatments • Validated analytical methods for food traceability and authenticity by repeat analysis of authentic and adulterated samples to characterise method performance.	As required by the supervisor and by the end of the contract.