

B - POST-HARVEST PROCESSING UNITS & OTHERS

CHAPTER B0: General information

ID.	Requisite	Data
B01	Contact person (name, email)	Jean David LEAO
B02	Unit name	ITERG
B03	Address and Country	11 rue monge – 33610 CANEJAN
B04	Experience in demonstration activities (years)	YES
B05	Kind of units	Industrial technical center of fat & oils

CHAPTER B1: Structure of the unit

ID.	Requisite	Data
B11	Physical description of the unit (location, geographical data, etc...)	
		<p>ITERG is the French Institute for Fat & Oils, Industrial technical Centre created in 1948. ITERG devoted to develop R&D activities through industrial collective or contractual research, National and European project in the field of fat & oils. The main activities of ITERG in the field of oils & fat are analytical research and control; nutritional research on lipids, technological development and oleo chemistry. ITERG employs more than 20 scientists and engineers, focusing its activities on the design, support and execution of R&D programs. ITERG and its subsidiaries disposes of two technological platforms dedicated to crushing, oil refining and Lipochemistry (from some kg to 1 ton) to develop and transfer processes from laboratory-scale to pilot-scale production.</p> <p>ITERG's panel has agreement by the International Olive Council (COI) for the organoleptic assessment of virgin olive oil for the period from 1.12.2013 to 30.11.2014. ITERG's laboratory has agreement by the COI for the chemical testing of virgin olive oil for the period from 1.12.2013 au 30.11.2014.</p>

CHAPTER B3: Description of processing and “technological” equipments

ID.	Requisite	Data
B31	Physical description of the unit (location, geographical data, etc...) (specify)	
	ITERG 's Pilot plant (ISO 9001) dedicated to chemical and physical refining with: - Pilots :batch reactors and deodorisers 2kg, 20kg et 40kg, centrifuges, filter - Semi-industrial scale: batch reactors from 400 Kg to 1000 kg and batch deodorisers (380 – 450 Kg; 700 – 950 Kg), continuous deodorisers 250 to 290 kg/h.	
	ITERG's Laboratory (ISO 17025, ISO 9001) equipped with various techniques: GC with different detectors (FID, ECD, NPD, MS), HPLC with 6 different detectors (UV, LSD, UV diodes array, fluorescence, refractometer, MS/MS), static and dynamic headspace, sensory analysis.	

CHAPTER B4: Description of facilities

ID.	Requisite
B41	<p>Presentation of the owner: introduction of the site and presentation of the owner motivation. Specify if your facility is already devoted to digital innovation testing</p>
	<p>ITERG, due to its activities of analytical reference laboratories stores lot of samples of different oils and collects many data on their qualities, origin, contamination...</p> <p>We are interested by testing “phone spectroscopy” on different oil parameter and asses the accuracy of the methodology.</p>