Custom Scope of Work

Adulteration of Honey,Rice & Olive Oil using IRMS			
Company Name:	ACES - Doha		
Contact Name:	Ahmed Bashir		
Contract Email:	abashir@aces-int.com	**Contact Phone:**	+974 55086897

Application Specialist:	Sajit	**Lead ID:**	LQ.118357.KV.0121	**Date**	2/25/2021

Instrument Make	Sercon	**Model and Serial**	HS 2022
Module and Serial	-	**Working Status**	Working

Project Scope and Summary

Installation,Training and Method Setup of Adulteration of Honey,Rice,Olive Oil using IRMS

Approval and Signature

ACES - Doha	LABINS
Name: Ahmed Bashir	**Name:** Sajit Parameshwaran
Date: 3/11/2021	**Date:** 3/11/2021
Signature:	**Signature:**

Custom Scope of Work

Description of Current Lab and Instrumentation Status

The facility is a testing lab mainly into analysis of environmental samples and they are expanding their facility for food testing of plant and animal origin. The IRMS is being procured as a part of the expansion of the laboratory.

Description of Future System State and Custom SOW Deliverables

Not applicable

Custom Scope of Work

Parts and Consumables Required

Part Number	Part Description	Quantities
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Chemicals and Standard Required

Part Number	Part Description	Quantities
-	-	-
-	-	-
-	Acetonitrile HPLC grade	-
-	Methanol HPLC grade	-
-	-	-

Custom Scope of Work

SOW Description of Activities which will be Performed

The method will be setup as per the Honey Adulteration Paper from Sercon. The installation & the method setup will be done by Sercon Engineers - System has been configured for m/z 28 to 64 for the analysis of H2, CO2, N2, N2O, NO, O2, SO, SO2, CO and CH4 (converted to CO2).

1. Installation of the IRMS.
2. Method Setup to be done for the above compounds as a part of the requirement for Honey, Rice, Olive Oil.
3. Standard Calibration and Set Method Parameters to be defined in the System.
4. Sample and Standard Preparation.
5. Application Setup and Performance will be done and demonstrated as per instruments tandard pergormance specifications in the factory and ACES.
6. 2 Samples of Each Type will be analyzed in ACES to demonstrate the performance of the system for Honey, Rice and Oil.

Additional Terms and Conditions

Required sample preparation accessories, chemicals and standards has to be provided by customer.

We acknowledge receipt of the above SOW

M O'Connor

For and on behalf of Sercon Ltd

Mark O'Connor - Director