

# Accreditation Scope

**Al Ain Feed Mill, NAL 033**

**Testing Laboratory, (ISO/IEC 17025:2017)**

**Nahil Road - Bida Bint Saud, Al Ain, UAE**

**Issue Date: 30-09-2021**

**Expiry Date: 18-08-2023**

**Issue No:08**

Testing Field	Materials/ Products tested	Type of test/ Test parameter/Properties measured/Range of measurement	Test Method (Standard, Internal Procedure, Technique)	Permanent lab (P) / Client-site (S)
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Chemical	Animal, Poultry, Bird Feeds, Feed Raw Materials like grains, cereals, vitamins, mineral PX, Semi-process feed	Proximate: Moisture Range 1-15%	In-House Validated Method AFM-QCS-SOP-WC-01; Rev. 4; based on AOAC 930.15&925.10 (17 <sup>th</sup> Ed., Rev.2), 2003	P
		Proximate: Ash Range 0.5-10%	In-House Validated Method AFM-QCS-SOP-WC-02 based on AOAC 923.03, (17 <sup>th</sup> Ed., Rev.2), 2003	
		Proximate: Fat Range 1-5 %	In-House Validated Method AFM-QCS-SOP-WC-03 based on AOAC 920.39 (17 <sup>th</sup> Ed., Rev.2), 2003	
		Proximate: Protein Range 5-60%	In-House Validated Method AFM-QCS-SOP-WC-04; Rev. 4; based on AOAC 988.05 (17 <sup>th</sup> Ed., Rev.2), 2003	
		Proximate: Crude Fiber Range 5-30%	In-House Validated Method AFM-QCS-SOP-WC-05 based on ANKOM Technology Method 10, 2006	

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Chemical	Animal, Poultry, Bird Feeds, Feed Raw Materials like grains, cereals, vitamins, mineral PX, Semi-process feed	Mineral and Heavy Metals: Macronutrients: Na, K, Ca, Mg, P Range 0.5- 5%	In-House Validated Method AFM-QCS- SOP-ICP-01; Rev.5; based on AOAC 984- 27 (17 <sup>th</sup> Ed., Rev.2) 2003), using Microwave digestion and ICP-OES determination.	P
		Fe, Cu, Zn, Mo, Co, Mn Range 5-500 mg/kg Heavy Metals: Al, Se, Pb, Cd, As Range: 0.1-5 mg/kg		
		Water Soluble Vitamins: Vitamin B1, Vitamin B2, Vitamin B3, Vitamin B6 Range: 1.0-500 mg per kg	In-House Validated Method AFM-QCS-SOP-HPLC-04 AOAC 986.27, (17 <sup>th</sup> Ed., Rev.2), 2003 & J. of Agricultural and Food Chemistry. 54, 4531-4536, 2006. following extraction and HPLC determination	
		Mycotoxins AFB1, AFB2, AFG1, AFG2, OCA, OCB, ZON, DON, 3-Act DON, 5-Act DON, T-2, HT-2, FB1, FB2, FB3, Citrinin Range: 0.5-2000 microgram per kg	In-House Validated Method AFM-QCS- SOP-LCMS-MS- 01; Rev. 2, Based on Waters application note 720002244EN RB, July 2007, following extraction and LCMS/MS determination	

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Chemical	Animal, Poultry, Bird Feeds, Feed Raw Materials like grains, cereals	Proximate: Moisture, Fat, Protein, Crude Fiber <u>Parameters &amp; Range:</u> Moisture Range:1.0-15.0%, Fat Range : 1.0-5.0%, Protein Range : 5.0-50.0%, Crude Fiber Range : 5.0-40.0%	In-House Validated FTNIR Method AFM-QCS- SOP-NIR-1; Rev.1	P
	Animal, Poultry, Bird Feeds, Feed Raw Materials Like Grains, Cereals, Vitamins, Mineral PX, Semi- Process Feed; Forages like Alfalfa, Hay Grass, Silage	Proximate: Ash Range: 0.5-10.0%	In-House Validated FTNIR Method AFM-QCS- SOP-NIR; Rev.1	P
		Proximate: ADF <u>Parameters &amp; Range:</u> 4.0-70.0 %	In-House Validated Method AFM-QCS-SOP-WC- 06; REV.3 BASED ON ANKOM technology method 10, 2006	
		Proximate: NDF <u>Parameters &amp; Range:</u> 3.0-70.0 %	In-House Validated Method AFM-QCS-SOP-WC- 07; REV. 1 based on ANKOM Technology method 10, 2006	
		Proximate: Total Nitrogen/ protein Using DUMATHERM <u>Parameters &amp; Range:</u> 1.0-75.0 %	In-House Validated Method AFM-QCS-SOP- DUMA-1, (Combustion technique) AOAC-992.23	

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Microbiological	Animal, Poultry, Bird Feeds, Feed Raw Materials like grains, cereals, vita., mineral PX, Semi-process feed	Enumeration of Yeast and Mould Range = or > 100 cfu/g	In-House Performance Verified Method AFM-QCS-SOP- MB-02; Rev.2; based on FDA-BAM chapter 18 (Edition 8; Rev.A) 1998, Updated on April 2001	P
		Enumeration of Bacillus cereus Range = or > 10 cfu/ g	In-House Performance Verified Methods AFM-QCS-SOP- MB-05 based on FDA-BAM chapter 14, 2001 FDA-BAM Chapter 14, 2020	
		Detection of Salmonella Detection/25g	In-House Performance Verified Method AFM-QCS-SOP- MB-07 based on ISO 6579-2002 E, 2002, ISO 6579-1:2017/AMD 1:2020	
<b>END</b>				