

Schedule of Accreditation
Central Laboratory for Soil , Food and Feed Stuff
Faculty of Technology and Development -Zagazig University

Schedule No. : 211031 B

Issue No. 1:December 6, 2012

Valid to : December 5, 2016

Material / Products Tested	Type of Tests / Properties Measured / Range of Measurements	Standard Specifications / Techniques Used	
Soil	Determination of pH value	ES 5392:2006 ISO 10390:2005	pH Meter Manufacturer Adwa, Romania Model AD 1030 ,S.N 875399, 875403 .
	Determination of electrical conductivity	ES 5390:2006 ISO 11265:1994	Conductivity Meter Manufacturer Jenway, UK Model 4510 ,S.N 03859
	Determination of total nitrogen	ES 5393:2006 ISO 11261:1995	Digital Balance Model A&D/HR -200 , S.N Z20111 Digital Burette Manufacturer Micro- kjeldahl S.N 12H14340, 12H14339
	Determination of available phosphorus	ISO 11263:1994	Spectrophotometer Manufacturer Labomed, inc. Model spectro22 ,S.N 221101 Analytical Balance Model A&D/HR -200 ,S.N Z20111 pH Meter Manufacturer Adwa, Romania Model AD 1030 ,S.N 875399

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Soil	Determination of dry matter & water content		ISO 11465:1993	Drying Oven Manufacturer super serving science, UK S.N 137 Digital Balance Model A&D/HR -200 , S.N Z20111
Animal Feeding Stuffs	Determination of metals	LOQ (mg/L)	ES 5861 :2007 ISO 6869:2007	Atomic Absorption Spectrophotometer Manufacturer GBC, Australia Model Savant AA S.N A7322 Atomic Absorption Spectrophotometer Manufacturer Perkin Elmer Model 2380 S.N 131865
	Magnasium (Mg)	0.007		
	Calcium (Ca)	0.004		
	Mangnese (Mn)	0.010		
	Zinc (Zn)	0.025		
	Copper (Cu)	0.007		
	Iron (Fe)	0.054		
	Determination of crude ash		ES 5464:2006 ISO 5984:2002	Muffle Furnace Model NEYTECH85HM ,S.N CGA10080 and Model 18170 SN 899221. Digital Balance Model A&D/HR -200 , S.N Z20111

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Animal Feeding Stuffs	Determination of moisture and volatile matter content	ES 5462: 2006 ISO 6496:1999	Drying Oven Manufacturer super serving science, UK S.N 137 Digital Balance Model A&D/HR -200 , S.N Z20111
	Determination of total nitrogen content and calculation of crude protein content	ES 5465-1: 2006 ISO 5983-1 :2002	Analytical Balance Model A&D/HR -200 , S.N Z20111 pH Meter Manufacturer Adwa, Romania, Model AD 1030 ,S.N 875399 Manufacturer Micro- kjeldahl S.N 12H14340, 12H14339
	Determination of total phosphorus	ES 4185:2005 ISO 6491:1998	Spectrophotometer Manufacturer Labomed, inc. Model spetro22, S.N 221101 Digital Balance Model A&D/HR -200 , S.N Z20111 Muffle Furnace Model NEYTECH85HM ,S.N CGA10080

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Water	Determination of metals	LOQ (µg/l)	ES 4924:2005 ISO 8288:1986	Atomic Absorption Spectrophotometer Manufacturer GBC, Australia Model Savant AA S.N A7322 Atomic Absorption Spectrophotometer Manufacturer Perkin Elmer Model 2380 S.N 131865
	Zinc (Zn)	10.0		
	Copper (Cu)	60.0		
	Iron (Fe)	60.0		
	Mangnese (Mn)	0.943		
	Cadmium (Cd)	0.115		
	Nickel (Ni)	5.461		
	Chromium (Cr)	0.860		
	Lead (Pb)	1.240		
	Aluminium (Al)	4.932		