

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 10/08/15 Rev. No: 07 LAB 0174
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Accreditation No: LAB 174

Awarded to

**FMC United (PVT.) Limited, Quality Control Laboratory,
18 km Multan Road, Lahore, Pakistan**

The scope of accreditation is in accordance with the standard specifications outlined in the following page(s) of this document. The accredited scope shall be visible and legible in areas such as customer service, sample-receiving section etc and shall not mislead its users.

The accreditation was first time granted on **06-03-2019** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2005**.

The accreditation requires regular surveillance, and is valid until **28-05-2022**.

The decision of accreditation made by Pakistan National Accreditation Council implies that the organization has been found to fulfill the requirements for accreditation within the scope.

The organization however, itself is responsible for the results of performed measurements/tests.

PAKISTAN NATIONAL ACCREDITATION COUNCIL

29-05-2019

Date

Director General

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Testing Laboratory.

**Accreditation Scope of FMC United (PVT.) Limited, Quality Control Laboratory,
18 km Multan Road, Lahore, Pakistan**

Permanent laboratory premises

Materials/Products tested	Testing field (e.g. environmental testing or mechanical testing)	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Appearance (Liquid, Solid, Granular)	Physical Testing	Physical Appearance	FMC-QCL-STM-001
Specific Gravity Imidacloprid 20%SL	Physical Testing	Density of Imidacloprid	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16
Specific Gravity Bifenthrin 10%EC	Physical Testing	Density of Bifenthrin	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16
Specific Gravity Chlorpyrifos 40%EC	Physical Testing	Density of Chlorpyrifos	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16
Specific Gravity Carbosulfan 20%EC	Physical Testing	Density of carbosulfan	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16
Specific Gravity Pyriproxyfen 10%EC	Physical Testing	Density of Pyriproxyfen	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16
Specific Gravity Acetamiprid 20%SL	Physical Testing	Density of Acetamiprid	(MT 3.2 Vol. F CIPAC) Pyknometer Method Page # 13 - 16

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Emulsion stability (EC)	Physical Testing	Emulsifiable Concentrate	(MT 36 Vol. F CIPAC) 36.1 Five percent v/v Oil Phase Page # 108 - 110
pH (1% Solution)	Physical Testing	pH	(MT 75.3 Vol. J CIPAC) Determination of pH Values Page # 131 - 132
Uric Nitrogen (Fertilizer)	Chemical Testing	Uric Nitrogen	Tendon HLS (Ed.) 2009. Official Methods of Analysis of AOAC International, 18 th Edition, 2005, Current through Revision, 4, 2011. Method No. 2.4.10 (AOAC Official Method 892.01), Fertilizers Chapter 2 page 16
Ammonical Nitrogen (Fertilizer)	Chemical Testing	Ammonical Nitrogen	Tendon HLS (Ed.) 2009. Official Methods of Analysis of AOAC International, 18 th Edition, 2005, Current through Revision, 4, 2011. Method No. 2.4.10 (AOAC Official Method 892.01), Fertilizers Chapter 2 page 16
Nitrate Nitrogen (Fertilizer)	Chemical Testing	Nitrate Nitrogen	Tendon HLS (Ed.) 2009. Official Methods of Analysis of AOAC International, 18 th Edition, 2005, Current through Revision, 4, 2011. Method No. 2.4.10 (AOAC Official Method 892.01), Fertilizers Chapter 2 page 16
Phosphorus (P ₂ O ₅) (Fertilizer)	Chemical Testing	Phosphorous Pentaoxide P2O5	Pakistan standard for Single Super phosphate (2 nd edition) PS: 67-1996. PSQCA. Karachi, Vogel's Text book of quantitative Chemical Analysis 6 th Edition, Pearson Education, India
Potassium Oxide (K ₂ O) Liquid Fertilizer	Chemical Testing	Potassium Oxide K2O	Testing method for fertilizers (2013). Incorporated Administrative Agency. Food and Agricultural Materials Inspection Centre Japan. Standard Operating Manual of Instrument

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Potassium Oxide (K ₂ O) Solid Fertilizer	Chemical Testing	Potassium Oxide K ₂ O	Testing method for fertilizers (2013). Incorporated Administrative Agency. Food and Agricultural Materials Inspection Centre Japan. Standard Operating Manual of Instrument
Sulphur (Fertilizer)	Chemical Testing	Sulphur	AOAC Official Method 980.02(a) Sulphur in Fertilizer Gravimetric Method Page # 39 - 40 (MT 649 Vol. L CIPAC)
Acetamiprid 20%SL	Chemical Testing	Acetamiprid	Reverse Phase HPLC Method Page # 5 - 7
Bifenthrin 10%EC	Chemical Testing	Bifenthrin	FMC-QCL-STM-010 FMC Analytical HPLC Method Page # 1 - 6
Chlorpyrifos 40%EC	Chemical Testing	Chlorpyrifos	(MT 221.b Vol. 1C CIPAC) HPLC Method Page # 2028 - 2030
Clodinafop-propargyl 15%WP	Chemical Testing	Clodinafop-propargyl	(MT 683.225 Vol. M CIPAC) HPLC Method Page # 26 - 29
Carbosulfan 20%EC	Chemical Testing	Carbosulfan	(MT 417 Vol. E CIPAC) HPLC Method Page # 35 - 38
Carbendazim 50%SC	Chemical Testing	Carbendazim	(MT 263 Vol. H CIPAC) HPLC Method Page # 62 - 65
Fipronil 0.4%G	Chemical Testing	Fipronil	CIPAC (MT 581 Vol. J CIPAC) HPLC Method Page # 60 - 65
Imidacloprid 20%SL	Chemical Testing	Imidacloprid	(MT 582 Vol. H CIPAC) HPLC Method Page # 185 - 191
Pyriproxyfen 10%EC	Chemical Testing	Pyriproxyfen	(MT 715 Vol. M CIPAC) HPLC Method Page # 180 - 188

29-05-2019

Date

Director