

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 174
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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 **29-05-2019** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of **ISO/IEC 17025:2017**.

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

18-12-2020

Date

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Director General

**ACCREDITATION DOCUMENT****F-06/02**
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LAB 174**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
Imidacloprid 20%SL	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F
Bifenthrin 10%EC	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F
Chlorpyrifos 40%EC	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F
Carbosulfan 20%EC	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F
Pyriproxyfen 10%EC	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F

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Acetamiprid 20%SL	Physical Testing	Specific Gravity	FMC-QCL-STM-002 Ref: CIPAC (MT 3.2) Vol F
Emulsion Characteristics (EC)	Physical Testing	Emulsification	FMC-QCL-STM-003 Ref: CIPAC (MT 36) Vol F
pH (1% Solution)	Physical Testing	pH	FMC-QCL-STM-004 Ref: CIPAC (MT 75.3) Vol J
Uric Nitrogen (Fertilizer)	Chemical Testing	Quantitative Determination of Uric Nitrogen Active Ingredient	FMC-QCL-STM-005 Ref: 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	Quantitative Determination of Ammonical Nitrogen Active Ingredient	FMC-QCL-STM-005 Ref: 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	Quantitative Determination of Nitrate Nitrogen Active Ingredient	FMC-QCL-STM-005 Ref: 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

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Phosphorus (P ₂ O ₅) (Fertilizer)	Chemical Testing	Quantitative Determination of (Phosphorous P ₂ O ₅) Active Ingredient	FMC-QCL-STM-006 Ref: 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	Quantitative Determination of Potassium Oxide (K ₂ O) Active Ingredient	FMC-QCL-STM-007 Ref: Testing method for fertilizers (2013). Incorporated Administrative Agency. Food and Agricultural Materials Inspection Centre Japan. Standard Operating Manual of Instrument
Potassium Oxide (K ₂ O) Solid (Fertilizer)	Chemical Testing	Quantitative Determination of Potassium Oxide (K ₂ O) Active Ingredient	FMC-QCL-STM-007 Ref: Testing method for fertilizers (2013). Incorporated Administrative Agency. Food and Agricultural Materials Inspection Centre Japan. Standard Operating Manual of Instrument
Sulphur (Fertilizer)	Chemical Testing	Quantitative Determination of Sulphur Active Ingredient	FMC-QCL-STM-008 Ref: AOAC Official Method 980.02(a) Sulphur in Fertilizer
Acetamiprid 20%SL	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-009 Ref: CIPAC MT (649) Vol L
Bifenthrin 10%EC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-010 Ref: FMC Corporation
Chlorpyrifos 40%EC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-011 Ref: CIPAC MT (221.b) Vol C

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Clodinafop-propargyl 15%WP	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-012 Ref: CIPAC MT (683.225) Vol M
Carbosulfan 20%EC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-014 Ref: CIPAC MT (417) Vol E
Carbendazim 50%SC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-015 Ref: CIPAC MT (263) Vol H
Fipronil 0.4%G	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-016 Ref: CIPAC MT (581) Vol J
Imidacloprid 20%SL	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-017 Ref: CIPAC MT (582) Vol H
Pyriproxyfen 10%EC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-013 Ref: CIPAC MT (715) Vol M
Coragen 20%SC	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-021 In-House Validated Method
Pallas 45OD	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-024 In-House Validated Method
Ferterra 0.4%G	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-021 In-House Validated Method

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Buprofezin 25% WP	Chemical Testing	Quantitative Determination of Active Ingredient	FMC-QCL-STM-020 In-House Validated Method
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Director