Accreditation No: LAB 100

Awarded to

Pesticide Testing Laboratory
Four Brothers Chemicals Laboratory
2-KM, 21-KM Off Ferozpur Road, West Rohinala, Kahna,
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 **29.01.2016** 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 **28.01.2028.**

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

23-04-2026
Date

-SD-
Director General

Testing Laboratory.

Accreditation Scope of M/s

Pesticide Testing Laboratory

Four Brothers Chemicals (Pvt.) Limited, Lahore, Pakistan.

Permanent laboratory premises [X]

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
Bifenthrin 10%w/v EC	Physical testing of Pesticide	Density	4B-STM(P)-020 Ref: CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1
Imidacloprid 20% SL	Physical testing of Pesticide	Density	4B-STM(P)-037 Ref: CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1
Acetamirid 20% SL	Physical testing of Pesticide	Density	4B-STM(P)-014 Ref: CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1
Acetochlor 50% EC	Physical testing of Pesticide	Density	4B-STM(P)-016 Ref; CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1
Lambda-Cyhalothrin 2.5% EC	Physical testing of Pesticide	Density	4B-STM(P)-043 Ref: CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1
Pyriproxyfen 10.8% EC	Physical testing of Pesticide	Density	4B-STM(P)-093 Ref: CIPAC Hand Book - Volume (F) - Method no MT 03 / ISO:15212-1

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Director

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
Bifenthrin 10%w/v EC	Physical testing of Pesticide	Emulsification	4B-STM(P)-020 Ref: CIPAC Hand Book - Volume (F) - Method no MT-36.1
Pendimethalin 33% EC	Physical testing of Pesticide	Emulsification	4B-STM(P)-049 Ref: CIPAC Hand Book - Volume (F) - Method no MT-36.1
Pyriproxyfen 10.8% EC	Physical testing of Pesticide	Emulsification	4B-STM(P)-093 Ref: CIPAC Hand Book - Volume (F) - Method no MT-36.1
Lambda-Cyhalothrin 2.5% EC	Physical testing of Pesticide	Emulsification	4B-STM(P)-043 Ref: CIPAC Hand Book - Volume (F) - Method no MT-36.1
Acetochlor 50%EC	Physical testing of Pesticide	Emulsification	4B-STM(P)-016 Ref: CIPAC Hand Book - Volume (F) - Method no MT-36.1
Buprofezin 25%w/w WP	Physical testing of Pesticide	pH of Solution of 01% Buprofezin 25%w/w	4B-STM(P)-059 Ref: Method No. MT 75, CIPAC Handbook-Volume (F) - Page No. 206-

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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
Bifenthrin 10%w/v EC	Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-020 In-House Validated Method
Lambda-Cyhalothrin 2.5%w/v EC	Chemical Testing on HPLC Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-043 In-House Validated Method
Imidacloprid 20 SL	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-037 In-House Validated Method
Acetamiprid 20%w/v SL	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-014 In-House Validated Method
Pyriproxyfen 10.8 % EC	Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-093 In-House Validated Method
Pendimethalin 33%w/v EC	Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-049 In-House Validated Method
Acetochlor 50 %w/v EC	Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-016 In-House Validated Method

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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
Lufenuorn 05 %w/v EC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-044 In-House Validated Method
Lufenuron 10%WDG	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-136 In-House Validated Method
Chlorfenapyr 36 %SC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-102 In-House Validated Method
Chlorfenapyr 10% WDG	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-131 In-House Validated Method
Diafenthiuron 80% WDG	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-132 In-House Validated Method
Fipronil 05% SC	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-133 In-House Validated Method
Atrazine (40%) + Mesotrione (10%) 50 WP	Chemical Testing on GC	Quantitative Determination of (Atrazine) Active Ingredient	4B-STM(P)-130 In-House Validated Method
Nitenpyram 50% WDG	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-135 In-House Validated Method

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
Lambda-Cyhalothrin 10% WDG	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-134 In-House Validated Method
	Chemical Testing on GC		
Butachlor (28.5%) +Bensulfuron-Methyl 1.5%) 30WP	Chemical Testing on HPLC	Quantitative Determination of (Bensulfuron-Methyl) Active Ingredient	4B-STM(P)-140 Ref: In-House Validated Method
Emamectin-Benzoate 1.9% EC	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-032 Ref: In-House Validated Method
Pyriproxyfen 20% WDG	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-141 Ref: In-House Validated Method
Buprofezin 25% WP	Chemical Testing on GC	Quantitative Determination of Active Ingredient	4B-STM(P)-059 Ref: In-House Validated Method
Clothianidin 20 SC	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-143 Ref: In-House Validated Method
Chlorpyrifos 40 EC	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-101 Ref: In-House Validated Method

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
Sulfur 50 % SC	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-101 Ref: In-House Validated Method
Sulfur 80% DF	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-101 Ref: In-House Validated Method

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Monomehypo 5G	Chemical Testing on HPLC	Quantitative Determination of Active Ingredient	4B-STM(P)-101 Ref: In-House Validated Method
Chlorantraniliprole 0.4% G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-145 In House Validated Method
Chlorantraniliprole 9% SC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-146 In House Validated Method
Chlorantraniliprole 9% SC	Physical testing on Visco Meter	Viscosity	4B-STM(P)-146 In Hous Validated Method
Chlorantraniliprole 0.12% G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-147 In House Validated Method
Chlorantraniliprole 0.23%G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-148 In House Validated Method
Emamectin-Benzoate 2.6% SC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-149 In House Validated Method
Thiomethoxam 0.46%w/w G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient Active ingredient	4B-STM(P)-150 In House Validated Method
Clothianidin 1.2%G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-151 In House Validated Method
Flonicamid 25% WP	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-152 In House Validated Method
Indoxacarb 0.7%G	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-153 In House Validated Method

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Nicosulfuron 8%OF	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-075 In House Validated Method
Nicosulfuron 8%OF	Physical testing on Visco Meter	Viscosity	4B-STM(P)-075 In House Validated Method
Topramezone 30% SC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-154 In House Validated Method
S- Metolachlor 76.8% EC	Chemical Testing on HPLC	Quantitative Determination of Active ingredient	4B-STM(P)-155 In House Validated Method
Oxyflurafen 8% EC	Chemical Testing on GC	Quantitative Determination of Active ingredient	4B-STM(P)-156 In House Validated Method

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