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Accreditation No: LAB 150

Awarded to

Pesticide Quality Control Laboratory, Gulberg Road Near Model Town-A, Bahawalpur, 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 **10-07-2018** 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 **08-07-2027**.

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

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Director General

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Testing Laboratory.

**Pesticide Quality Control Laboratory, Gulberg Road Near
Model Town-A, Bahawalpur, 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
Pesticide Formulation / Carbosulfon	Pesticide Testing	Quantitative determination of Carbosulfon (active ingredient)	PQCLB/SOP/L3/006-2 Method validated based on CIPAC Hand Book Volume: E, Page #35-41. HPLC
Pesticide Formulation / Fipronil	Pesticide Testing	Quantitative determination of Fipronil (active ingredient)	PQCLB/SOP/L3/006-1 Method validated based on CIPAC Hand Book Volume: J, Page #60-65. HPLC
Pesticide Formulation / Metalaxyl	Pesticide Testing	Quantitative determination of Metalaxyl (active ingredient)	PQCLB/SOP/L3/006-4 Method validated based on A2S (Analytical Standard Solutions Company), France. HPLC
Pesticide Formulation / Bifenthrin	Pesticide Testing	Quantitative determination of Bifenthrin (active ingredient)	PQCLB/SOP/L3/006-3 Method Validated on the basis of method of NLA (PT provider), South Africa HPLC
Pesticide Formulation / Metolachlor	Pesticide Testing	Quantitative determination of Metolachlor (active ingredient)	PQCLB/SOP/L3/006-5 Method validated on the basis of method of NLA (PT provider), South Africa. HPLC
Pesticide	Pesticide Testing	Quantitative	PQCLB/SOP/L3/006-6

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Formulation / Clothianidin		determination of Clothianidin (active ingredient)	Method validated based on CIPAC Volume: N, Page #14- 24, HPLC
Pesticide Formulation / Chlorothalonil	Pesticide Testing	Quantitative determination of Chlorathalonil (active ingredient)	PQCLB/SOP/L3/006-7 Validated method based on The Japan Society for Analytical chemistry, Analytical Sciences 2009 Volume 25. HPLC
Pesticide Formulation / Fluroxypr- Meptyl	Pesticide Testing	Quantitative determination of Fluroxypr-Meptyl (active ingredient)	PQCLB/SOP/L3/006-8 Validated method based on Sigma-Aldrich Laborchemikalien GmbH Quality Management SA-LC. HPLC
Pesticide Formulation / Lufenuron	Pesticide Testing	Quantitative determination of Lufenuron (active ingredient)	PQCLB/SOP/L3/006-9 Method validated on the basis of method of NLA (PT Provider), South Africa. HPLC
Pesticide Formulation / Diafenthiuron	Pesticide Testing	Quantitative determination of Diafenthiuron (active ingredient)	PQCLB/SOP/L3/006-10 Validated method based on HPC Standards GmbH, Germany. HPLC
Pesticide Formulation / Chlorfenapyr	Pesticide Testing	Quantitative determination of Chlorfenapyr (active ingredient)	PQCLB/SOP/L3/006-11 Method validated based on CIPAC Volume: O, Page #22- 30. HPLC
Pesticide Formulation / Pendimethalin	Pesticide Testing	Quantitative determination of Pendimethalin (active ingredient)	PQCLB/SOP/L3/006-12 Method validated based on CIPAC Volume: M, Page No. 149-154 HPLC
Pesticide Formulation /	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-13 Method Validated on the basis

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Lambda Cyhalothrin		Lambda Cyhalothrin (active ingredient)	of NLA (PT Provider), South Africa . HPLC
Pesticide Formulation / Pyriproxyfen	Pesticide Testing	Quantitative determination of Pyriproxyfen (active ingredient)	PQCLB/SOP/L3/006-14 Validated method based on CIPAC volume M, Page No. 180-188. HPLC
Pesticide Formulation / Thiamethoxam	Pesticide Testing	Quantitative determination of Thiamethoxam (active ingredient)	PQCLB/SOP/L3/006-15 Validated method based on NLA-PT-T-P-21-01 .HPLC
Pesticide Formulation / Iodosulfuron	Pesticide Testing	Quantitative determination of Iodosulfuron (active ingredient)	PQCLB/SOP/L3/006-16 Validated method based on AgrEvo GmbH, Germany . HPLC
Pesticide Formulation / Acephate	Pesticide Testing	Quantitative determination of Acephate (active ingredient)	PQCLB/SOP/L3/006-17 Validated method based on Bayer Crop Sciences, (Pvt) Ltd . HPLC
Pesticide Formulation / Abamectin	Pesticide Testing	Quantitative determination of Abamectin (active ingredient)	PQCLB/SOP/L3/006-18 Validated method based on FMC United (Pvt) Ltd. HPLC
Pesticide Formulation / Deltamethrin	Pesticide Testing	Quantitative determination of Deltamethrin (active ingredient)	PQCLB/SOP/L3/006-19 Validated method based on NLA-PT-T-P-07-04. HPLC
Pesticide Formulation / Clopyralid	Pesticide Testing	Quantitative determination of Clopyralid (active ingredient)	PQCLB/SOP/L3/006-22 Validated method based on NLA-PT-T-P-21-01 . HPLC
Pesticide Formulation /	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-21 Validated method based on

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Penoxadin		Penoxadin (active ingredient)	Chem Service, USA, HPLC
Pesticide Formulation / Florasulam	Pesticide Testing	Quantitative determination of Florasulam (active ingredient)	PQCLB/SOP/L3/006-20 Validated method based on NLA-PT-T-P-21-01, HPLC
Pesticide Formulation / Mesosulfuron	Pesticide Testing	Quantitative determination of Mesosulfuron (active ingredient)	PQCLB/SOP/L3/006-23 Validated method based on AgrEvo GmbH, Germany . HPLC
Pesticide Formulation / Flusilazole	Pesticide Testing	Quantitative determination of Flusilazole (active ingredient)	PQCLB/SOP/L3/006-24 Validated method based on A2S (Analytical Standard Solutions Company), France, HPLC
Pesticide Formulation / Flutriafol	Pesticide Testing	Quantitative determination of Flutriafol (active ingredient)	PQCLB/SOP/L3/006-25 Validated method based on A2S (Analytical Standard Solution Company), France . HPLC
Pesticide Formulation / Haloxyfop-p-methyl	Pesticide Testing	Quantitative determination of Haloxyfop-p-methyl (active ingredient)	PQCLB/SOP/L3/006-26 Validated method based on In house validated method. HPLC
Pesticide Formulation / Sulfoxaflor	Pesticide Testing	Quantitative determination of Sulfoxaflor (active ingredient)	PQCLB/SOP/L3/006-27 Validated method based on In house validated method. HPLC
Pesticide Formulation / Pyroxulam	Pesticide Testing	Quantitative determination of Pyroxulam (active ingredient)	PQCLB/SOP/L3/006-28 Validated method based on Institute of plant protection , Chinese Academy of Agriculture Science, Beijing 100094 China. HPLC
Pesticide	Pesticide Testing	Quantitative	PQCLB/SOP/L3/006-29

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Formulation / Quizalofop-p- methyl		determination of Quizalofop-p-methyl (active ingredient)	Validated method based on NLA-A-PT-T-P-07-04. HPLC
Pesticide Formulation / Triazophos	Pesticide Testing	Quantitative determination of Triazophos (active ingredient)	PQCLB/SOP/L3/006-30 Validated method based on NLA-PT-T-P-07-04 . HPLC
Pesticide Formulation / Spiromecifen	Pesticide Testing	Quantitative determination of Spiromecifen (active ingredient)	PQCLB/SOP/L3/006-31 Validated method based on Chem Service, USA. HPLC
Pesticide Formulation / Thiacloprid	Pesticide Testing	Quantitative determination of Thiacloprid (active ingredient)	PQCLB/SOP/L3/006-32 Validated method based on NLA-PT-T-P-07-04. HPLC
Pesticide Formulation / Sulfosulfuron	Pesticide Testing	Quantitative determination of Sulfosulfuron (active ingredient)	PQCLB/SOP/L3/006-33 Validated method based on NLA-PT-T-P-21-01,HPLC
Pesticide Formulation / Nitenpyram	Pesticide Testing	Quantitative determination of Nitenpyram (active ingredient)	PQCLB/SOP/L3/006-34 Validated method based on NLA-PT-T-P-07-03. HPLC
Pesticide Formulation / Flonicamid	Pesticide Testing	Quantitative determination of Flonicamid (active ingredient)	PQCLB/SOP/L3/006-35 Validated method based on ICI. HPLC
Pesticide Formulation / Flubendiamide	Pesticide Testing	Quantitative determination of Flubendiamide (active ingredient)	PQCLB/SOP/L3/006-36 Validated method based on Bayer Crop Science. HPLC
Pesticide Formulation / Oomatoate	Pesticide Testing	Quantitative determination of Oomatoate (active	PQCLB/SOP/L3/006-37 Method validated on the basis In-house validated method.

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Pesticide Formulation / Hexythiazox	Pesticide Testing	ingredient) Quantitative determination of Hexythiazox (active ingredient)	HPLC PQCLB/SOP/L3/006-38 Validated method based on Arysta Life Science. HPLC
Pesticide Formulation / Azoxystrobin	Pesticide Testing	Quantitative determination of Azoxystrobin (active ingredient)	PQCLB/SOP/L3/006-39 Method validated on the basis of method of NLA (PT provider), South Africa. HPLC
Pesticide Formulation / Triadimefon	Pesticide Testing	Quantitative determination of Triadimefon (active ingredient)	PQCLB/SOP/L3/006-40 Validated method based on Kanzo Ag. HPLC
Pesticide Formulation / Chlorfluazuron	Pesticide Testing	Quantitative determination of Chlorfluazuron (active ingredient)	PQCLB/SOP/L3/06-41 Validated method Based on FMC. HPLC
Pesticide Formulation / Cyromazine	Pesticide Testing	Quantitative determination of Cyromazine (active ingredient)	PQCLB/SOP/L3/06-42 Validated method based on NLA-PT-T-P-21-01. HPLC
Pesticide Formulation / Dicamba	Pesticide Testing	Quantitative determination of Dicamba (active ingredient)	PQCLB/SOP/L3/06-43 Method validated on the basis of NLA (PT Provider), South Africa . HPLC
Pesticide Formulation / Cadusafos	Pesticide Testing	Quantitative determination of Cadusafos (active ingredient)	PQCLB/SOP/L3/06-44 Method validated on the basis of NLA (PT Provider), South Africa .

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Pesticide Formulation / Clofentazine	Pesticide Testing	Quantitative determination of Clofentazine (active ingredient)	HPLC PQCLB/SOP/L3/06-45 Method validated on the basis of NLA (PT Provider), South Africa . HPLC
Pesticide Formulation / Carbaryl	Pesticide Testing	Quantitative determination of Carbaryl (active ingredient)	PQCLB/SOP/L3/06-46 Method validated on the basis of method of NLA (PT Provider), South Africa . HPLC
Pesticide Formulation / Cyproconazole	Pesticide Testing	Quantitative determination of Cyproconazole (active ingredient)	PQCLB/SOP/L3/06-47 Validated method based on Company Method. HPLC
Pesticide Formulation / Pyraclostrobin	Pesticide Testing	Quantitative determination of Pyraclostrobin (active ingredient)	PQCLB/SOP/L3/06-48 Method Validation based on Method of NLA (PT-provider) South Africa. HPLC
Pesticide Formulation / Mesotrione	Pesticide Testing	Quantitative determination of Mesotrione (active ingredient)	PQCLB/SOP/L3/06-49 Validation method based on company method. HPLC
Pesticide Formulation / Atrazine	Pesticide Testing	Quantitative determination of Atrazine (active ingredient)	PQCLB/SOP/L3/06-50 Validation method based on company method. HPLC
Pesticide Formulation / Buprofezine	Pesticide Testing	Quantitative determination of Buprofezine (active	PQCLB/SOP/L3/06-51 Validation method based on company method. HPLC

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Pesticide Formulation / Sulphur	Pesticide Testing	ingredient) Quantitative determination of Sulphur (active ingredient)	PQCLB/SOP/L3/06-52 Validation method based on company method. HPLC
Pesticide Formulation Imidacloprid	Pesticide Testing	Quantitative determination of Imidacloprid (active ingredient)	PQCLB/SOP/L3/06-54 Method validation based on CIPAC Vol. H, Page #185-186. HPLC
Pesticide Formulation Acetamiprid	Pesticide Testing	Quantitative determination of Acetamiprid (active ingredient)	PQCLB/SOP/L3/06-55 Validated based on Bayer Pakistan. HPLC
Pesticide Formulation Thiophanate Methyl	Pesticide Testing	Quantitative determination of Thiophanate Methyl (active ingredient)	PQCLB/SOP/L3/06-56 Method validation based on CIPAC Vol. D Page # 162-168. HPLC
Pesticide Formulation Emamectin Benzoate	Pesticide Testing	Quantitative determination of Emamectin Benzoate (active ingredient)	PQCLB/SOP/L3/06-57 Validated based on Pak China. HPLC
Pesticide Formulation Clodinafop propargyl	Pesticide Testing	Quantitative determination of Clodinafop propargyl (active ingredient)	PQCLB/SOP/L3/06-58 Method Validated based on CIPAC Vol. M Page#26. HPLC
Pesticide Formulation Chlorpyrifos	Pesticide Testing	Quantitative determination of Chlorpyrifos (active ingredient)	PQCLB/SOP/L3/06-59 Method Validated based on CIPAC Vol. 1 C Page#2028. HPLC

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Pesticide Formulation Bispyribac Sodium	Pesticide Testing	Quantitative determination of Bispyribac Sodium (active ingredient)	PQCLB/SOP/L3/06-60 Method Validated based on Company Method. HPLC
Pesticide Formulation Bensulfuron Methyl	Pesticide Testing	Quantitative determination of Bensulfuron Methyl (active ingredient)	PQCLB/SOP/L3/06-61 Method Validated based on Company Method. HPLC
Pesticide Formulation Acetochlor	Pesticide Testing	Quantitative determination of Acetochlor (active ingredient)	PQCLB/SOP/L3/06-62 Method Validated based on Company Method. HPLC
Pesticide Formulation Difenconazole	Pesticide Testing	Quantitative determination of Difenconazole (active ingredient)	PQCLB/SOP/L3/06-63 Method Validated based on Company Method. HPLC
Pesticide Formulation Propiconazole	Pesticide Testing	Quantitative determination of Propiconazole (active ingredient)	PQCLB/SOP/L3/06-64 Method Validated based on Company Method. HPLC
Pesticide Formulation Tebuconazole	Pesticide Testing	Quantitative determination of Tebuconazole (active ingredient)	PQCLB/SOP/L3/06-65 Method Validated based on Company Method. HPLC
Pesticide Formulation Bromoxynil	Pesticide Testing	Quantitative determination of Bromoxynil (active ingredient)	PQCLB/SOP/L3/06-66 Method Validated based on Company Method. HPLC
Pesticide Formulation MCPA Isooctyl	Pesticide Testing	Quantitative determination of MCPA Isooctyl (active ingredient)	PQCLB/SOP/L3/06-67 Method Validated based on Company Method. HPLC

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Pesticide Formulation Tribenuron Methyl	Pesticide Testing	Quantitative determination of Tribenuron Methyl (active ingredient)	PQCLB/SOP/L3/06-68 Method Validated based on CIPAC Vol. K Page#129. HPLC
Pesticide Formulation Metsulfuron Methyl	Pesticide Testing	Quantitative determination of Metsulfuron Methyl (active ingredient)	PQCLB/SOP/L3/06-69 Method Validated based on CIPAC Vol. H Page#205. HPLC
Pesticide Formulation Carbofuran	Pesticide Testing	Quantitative determination of Carbofuran (active ingredient)	PQCLB/SOP/L3/06-70 Method Validated based on CIPAC Vol. D Page#20. HPLC
Pesticide Formulation Cypermethrin	Pesticide Testing	Quantitative determination of Cypermethrin (active ingredient)	PQCLB/SOP/L3/06-71 Method Validated based on Company Method. HPLC
Pesticide Formulation Trichlorfon	Pesticide Testing	Quantitative determination of Trichlorfon (active ingredient)	PQCLB/SOP/L3/06-72 Method Validated based on Company Method. HPLC

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