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**Issue Date: 30-03-2017** 

Rev. No: 01 LAB: 150

**Accreditation No: 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 **09-07-2018** by Pakistan National Accreditation Council.

The laboratory complies with the requirements of ISO/IEC17025:2017

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 tests.

#### PAKISTAN NATIONAL ACCREDITATION COUNCIL

07-10-2025	
Date	Director General



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# Medical Laboratory.

## Accreditation Scope of Pesticide Quality Control Laboratory, Gulberg Road Near Model Town-A, Bahawalpur, Pakistan

Permanent laboratory premises X

**Field of Medical Testing Laboratory:** 

Testing field (e.g. Chemical, Micro etc)	Types of test/ Properties measured	Reference to standardized method/ Internal method reference
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 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 Testing	Quantitative determination of Metalaxyl(active ingredient)	PQCLB/SOP/L3/006-4 Method validated based on A2S (Analytical Standard Solutions Company), France. HPLC
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 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 Testing	Quantitative determination of Clothianidin (active ingredient)	PQCLB/SOP/L3/006- 6Method validated based on CIPAC Volume: N, Page #14- 24, HPLC PQCLB/SOP/L3/006-7
	Pesticide Testing  Pesticide Testing  Pesticide Testing  Pesticide Testing  Pesticide Testing  Pesticide Testing	Chemical, Micro etc)         Properties measured           Pesticide Testing         Quantitative determination of Carbosulfon (active ingredient)           Pesticide Testing         Quantitative determination of Fipronil(active ingredient)           Pesticide Testing         Quantitative determination of Metalaxyl(active ingredient)           Pesticide Testing         Quantitative determination of Bifenthrin (active ingredient)           Pesticide Testing         Quantitative determination of Metolachlor(active ingredient)           Pesticide Testing         Quantitative determination of Clothianidin (active ingredient)



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/ Chlorothalonil		Chlorathalonil (active	Validated method
		ingredient)	based on The Japan
			Society for Analytical
			chemistry, Analytical
			Sciences 2009 Volume
			25. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-8
		Fluroxypr-Meptyl (active	Validated method
D (' ' 1 E 1 ('		ingredient)	based on Sigma-
Pesticide Formulation			Aldrich
/ FluroxypyrMeptyl			Laborchemikalien
			GmbH Quality
			Management SA-LC. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-9
	resucide resulig	Lufenuron (active ingredient)	Method validated on
Pesticide Formulation		Eurenaron (active ingredient)	the basis of method of
/ Lufenuron			NLA (PT Provider),
			South Africa. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
B 444 B 44	1 00010100 1000008	Diafenthuron (active ingredient)	10 Validated method
Pesticide Formulation			based on HPC
/ Diafenthuron			Standards GmbH,
			Germany. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Chlorfenapyr (active ingredient)	11 Method validated
/ Chlorfenapyr			based on CIPAC
/ Cmorrenapyr			Volume: O, Page #22-
			30. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Pendimethalin (active	12 Method validated
/ Pendimethalin		ingredient)	based on CIPAC
			Volume: M, Page No.
	D		149-154 HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Lambda Cyhalothrin (active	13 Method Validated
/ Lambda Cyhalothrin		ingredient)	on the basis of NLA
-			(PT Provider), South Africa . HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
	resucide resuing	Pyriproxyfen (active ingredient)	14 Validated method
Pesticide Formulation		1 yriproxyren (active ingredient)	based on CIPAC
/ Pyriproxyfen			volume M, Page No.
			180-188. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
/ Thiamethoxam		Thiamethoxam (active	15 Validated method
		(*********************************	

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		ingredient)	based on NLA-PT-T-P-
Pesticide Formulation / Iodosulfuron Methyl	Pesticide Testing	Quantitative determination of Iodosulfuron Methyl (active ingredient)	21-01 .HPLC 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 / Penoxadin	Pesticide Testing	Quantitative determination of Penoxadin (active ingredient)	PQCLB/SOP/L3/006- 21 Validated method based on 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 Methyl	Pesticide Testing	Quantitative determination of Mesosulfuron Methyl(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

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		1	(Analytical Standard
			(Analytical Standard
			Solution Company),
			France . HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Haloxyfop-p-methyl (active	26 Validated method
/ Haloxyfop-p-methyl		ingredient)	based on In house
7 Haloxylop p methyl			validated method.
			HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Sulfoxaflor (active ingredient)	27 Validated method
			based on In house
/ Sulfoxaflor			validated method.
			HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
	1 00000100 1000000	Pyroxulam (active ingredient)	28 Validated method
		1 yroxulum (uctive ingredient)	based on Institute of
Pesticide Formulation			plant protection,
/ Pyroxulam			Chinese Academy of
/ T yroxulain			Agriculture Science,
			Beijing 100094 China.
			HPLC
	D (' ' 1 T ('		_
B (11 B 1 )	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Quizalofop-p-ethyl (active	29 Validated method
/ Quizalofop-p-ethyl		ingredient)	based on NLA-A-PT-
			T-P-07-04. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Triazophos (active ingredient)	30 Validated method
/ Triazophos			based on NLA-PT-T-P-
			07-04 . HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation		Spiromecifen (active ingredient)	31 Validated method
/ Spiromecifen			based on Chem
			Service, USA. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation	· ·	Thiacloprid (active ingredient)	32 Validated method
/ Thiacloprid			based on NLA-PT-T-P-
1			07-04. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation	1 00000100 1000000	Sulfosulfuron (active ingredient)	33 Validated method
/ Sulfosulfuron		Surrogantaron (active ingredient)	based on NLA-PT-T-P-
/ Buildsulfulon			21-01,HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-
Pesticide Formulation	resucide resulig	Nitenpyram (active ingredient)	34 Validated method
		Tyricipyrain (active ingredient)	based on NLA-PT-T-P-
/ Nitenpyram			
Description Description	Dankista, m. vi	One matitations of the first of	07-03. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/006-

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/ Flonicamid		Flonicamid (active ingredient)	35 Validated method
Pesticide Formulation / Flubendiamide	Pesticide Testing	Quantitative determination of Flubendiamide (active ingredient)	based on ICI. HPLC PQCLB/SOP/L3/006- 36 Validated method based on Bayer Crop Science. HPLC
Pesticide Formulation / Omathoate	Pesticide Testing	Quantitative determination of Omathoate (active ingredient)	PQCLB/SOP/L3/006- 37 Method validated on the basis In-house validated method. HPLC
Pesticide Formulation / Hexythiazox	Pesticide Testing	Quantitative determination of Hexythiazox (active ingredient)	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 . HPLC
Pesticide Formulation / Clofentazine	Pesticide Testing	Quantitative determination of Clofentazine (active ingredient)	PQCLB/SOP/L3/06-45 Method validated on the basis of NLA (PT Provider), South Africa . HPLC

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Pesticide Formulation	Pesticide Testing	Carbaryl (active ingredient)	PQCLB/SOP/L3/06-46 Method validated on the basis of method of
/ Carbaryl			NLA (PT Provider),
			South Africa . HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-47
Pesticide Formulation		Cyproconazole (active	Validated method
/ Cyproconazole		ingredient)	based on Company
			Method. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-48
Pesticide Formulation		Pyraclostrobin (active	Method Validation
/ Pyraclostrobin		ingredient)	based on Method of
			NLA (PTprovider)
	Destinia Testina	O	South Africa. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of Mesotrione (active ingredient)	PQCLB/SOP/L3/06-49 Validation method
/ Mesotrione		Wiesourone (active ingredient)	based on company
/ Mesonione			method. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-50
Pesticide Formulation	resticide resting	Atrazine (active ingredient)	Validation method
/ Atrazine		Truzine (active ingredient)	based on company
, Triuzino			method. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-51
Pesticide Formulation	1 content 1 com	Buprofezine (active ingredient)	Validation method
/ Buprofezine			based on company
1			method. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-52
Pesticide Formulation		Sulphur (active ingredient)	Validation method
/ Sulphur			based on company
			method. HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-54
Pesticide Formulation/		Imidacloprid (active ingredient)	Method validation
Imidacloprid			based on CIPAC Vol.
· · ·			H, Page #185- 186.
	D (' ' 1 TF ('		HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-55
Acetamiprid		Acetamiprid (active ingredient)	Validated based on
_	Destinide Testine	Overtitative determination of	Bayer Pakistan. HPLC
	Pesticide Testing	Quantitative determination of Thiophanate Methyl (active	PQCLB/SOP/L3/06-56 Method validation
Pesticide Formulation		ingredient)	based on CIPAC Vol.
/Thiophanate Methyl		ingiculent)	D Page # 162- 168.
			HPLC
	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-57
Pesticide Formulation/	resticide resting	Emamectin Benzoate (active	Validated based on Pak
Emamectin Benzoate		ingredient)	China. HPLC
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Pesticide Formulation /Clodinafop Propargyl	Pesticide Testing	Quantitative determination of Clodinafop Propargyl (active ingredient)	PQCLB/SOP/L3/06-58 Method validation based on CIPAC Vol. M Page # 03. HPLC
Pesticide Formulation /Chlorpyrifos	Pesticide Testing	Quantitative determination of Chlorpyrifos (active ingredient)	PQCLB/SOP/L3/06-59 Method validation based on CIPAC Vol. C Page # 2028. HPLC
Pesticide Formulation/ Bispyribac Sodium	Pesticide Testing	Quantitative determination of Birpyribac Sodium (active ingredient)	PQCLB/SOP/L3/06-60 Method validation based on Company Method. HPLC
Pesticide Formulation/ Bensulfuron Methyl	Pesticide Testing	Quantitative determination of Bensulfuron Methyl (active ingredient)	PQCLB/SOP/L3/06-61 Method validation based on Company Method. HPLC
Pesticide Formulation/ Acetochlor	Pesticide Testing	Quantitative determination of Acetochlor (active ingredient)	PQCLB/SOP/L3/06-62 Method validation based on Company Method. HPLC
Pesticide Formulation /Difenconazole	Pesticide Testing	Quantitative determination of Difenconazole (active ingredient)	PQCLB/SOP/L3/06-63 Method validation based on Company Method. HPLC
Pesticide Formulation/ Propiconazole	Pesticide Testing	Quantitative determination of Propiconazole (active ingredient)	PQCLB/SOP/L3/06-64 Method validation based on Company Method. HPLC
Pesticide Formulation/ Tebuconazole	Pesticide Testing	Quantitative determination of Tebuconazole (active ingredient)	PQCLB/SOP/L3/06-65 Method validation based on Company Method. HPLC
Pesticide Formulation/ Bromoxynil	Pesticide Testing	Quantitative determination of Bromoxynil (active ingredient)	PQCLB/SOP/L3/06-66 Method validation based on Company Method. HPLC
Pesticide Formulation/ MCPA Isooctyl	Pesticide Testing	Quantitative determination of MCPA Isooctyl (active ingredient)	PQCLB/SOP/L3/06-67 Method validation based on Company Method. HPLC
Pesticide Formulation/ Tribenuron Methyl	Pesticide Testing	Quantitative determination of Tribenuron Methyl (active ingredient)	PQCLB/SOP/L3/06-68 Method validation based on Company Method. HPLC

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Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-69
Metsulfuron Methyl		Metsulfuron Methyl (active	Method validation
		ingredient)	based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-70
Carbofuran		Formulation Carbofuran (active	Method validation
		ingredient)	based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-71
Cypermethrin		Formulation Cypermethrin	Method validation
		(active ingredient)	based on Company
			Method. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-72
/Trichlorfon		Trichlorfon (active ingredient)	Method validation
			based on Company
			Method. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-73
/Chlorantraniliprole		Chlorantraniliprole (active	Method validation
		ingredient)	based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-74
Carfentrazone Ethyl		Carfentrazone Ethyl (active	Method validation
		ingredient)	based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-75
Dinotefuran		Dinotefuran (active ingredient)	Method validation
			based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-76
Glyphosate		Glyphosate (active ingredient)	Method validation
			based on AOAC
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-77
Pymetrozine		Pymetrozine (active ingredient)	Method validation
			based on Company
			Method. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-78
/Myclobutanil		Myclobutanil (active ingredient)	Method validation
			based on Company
			Method. HPLC
Pesticide Formulation	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-79
/Halosulfuron Methyl	3	Halosulfuron Methyl (active	Method validation
		ingredient)	based on Company
			Method. HPLC
Pesticide Formulation/	Pesticide Testing	Quantitative determination of	PQCLB/SOP/L3/06-80
Pyrimethanil	J	Pyrimethanil (active ingredient)	Method validation
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			based on Company Method. HPLC
Pesticide Formulation/ Paraquat	Pesticide Testing	Quantitative determination of Paraquat (active ingredient)	PQCLB/SOP/L3/06-81 Method validation based on Company Method. HPLC
Pesticide Formulation/ Gamma Cyhalothrin	Pesticide Testing	Quantitative determination of Gamma Cyhalothrin (active ingredient)	PQCLB/SOP/L3/06-82 Method validation based on Company Method. HPLC
Pesticide Formulation/ Beta Cyfluthrin	Pesticide Testing	Quantitative determination of Beta Cyfluthrin (active ingredient)	PQCLB/SOP/L3/06-83 Method validation based on Company Method. HPLC
Pesticide Formulation/ Spirotetramate	Pesticide Testing	Quantitative determination of Spirotetramate (active ingredient)	PQCLB/SOP/L3/06-84 Method validation based on Company Method. HPLC
Pesticide Formulation/ Profenofos	Pesticide Testing	Quantitative determination of Profenofos (active ingredient)	PQCLB/SOP/L3/06-85 Method validation based on Company Method. HPLC
Pesticide Formulation/ Dimethoate	Pesticide Testing	Quantitative determination of Dimethoate (active ingredient)	PQCLB/SOP/L3/06-86 Method validation based on Company Method. HPLC
Pesticide Formulation/ Matrine	Pesticide Testing	Quantitative determination of Matrine (active ingredient)	PQCLB/SOP/L3/06-87 Method validation based on Company Method. HPLC