

	ACCREDITATION DOCUMENT	F-06/02 Issue Date: 18/08/2020 Rev. No: 09 LAB 147
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Accreditation No: LAB 147

Awarded to

**Pesticide Quality Control Laboratory, ISC&ES, Jhang Road,
Faisalabad, 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 **02-07-2018** by Pakistan National Accreditation Council.

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

The accreditation requires regular surveillance, and is valid until **01-07-2024**.

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

11-07-2023
Date

SD
Director General

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Testing Laboratory.

Accreditation Scope **Pesticide Quality Control Laboratory, ISC&ES, Jhang Road, Faisalabad, 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
Imidacloprid (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-01 CIPAC Method No. 582 Vol. H
Thiophenate Methyl (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP- L3-02 CIPAC Method No. 262 Vol. D
Bifenthrin (Emusifiable Concentrate)	Pesticide quality control	Gas Chromatography/ Concentration	PQCL- SOP-L3- 03 AOAC Official Method oh analysis (2011) Method No. 2010.03, Bifenthrin in technical and selected formulated products Ch. No. 10
Cypermethrin (Emusifiable Concentrate)	Pesticide quality control	Gas Chromatography/ Concentration	PQCL- SOP-L3-04 AOAC Official Method of Analysis (2000), Method No. 986.02, CIPAC AOAC method Ch. 07 Cypermethrin in pesticide formulation
Lufenuron (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCL- SOP- L3-05 PT Provider National Laboratory Association, South Africa(NLA), Method

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Chlorfenapyr (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-06 CIPAC Method No. 570
Clothianidin (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF- SOP- L3-07 CIPAC Method No. 262 Vol. N
Dinotefuran (Wettable Despersible Granules)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3- 08 CIPAC Method No. 749 Vol. L
Fluroxypyr Meptyl (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-09 Method: FMC United Pvt. Ltd.
Mesotrione (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-010 Method: Tara Group, Pakistan
Bromothalonil (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP- L3-011 Method: Kanzo AG
Quintozine (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF- SOP- L3-012 Method: Kanzo AG
Aclonifen (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-13 Method: Bayer Pakistan (Pvt) Ltd.
Novaluron (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-14 CIPAC Method No. 672, Vol.-L

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Fenpyroximate (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-15 Method: Kanzo Ag.
Methoxyfenozid (Soluble Liquid)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-16 Method: AgChem.
Tribenuron Methyl (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-17 CIPAC Method No. 546, Vol. K
Bensulfuron Methyl (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-18 CIPAC Method No. 502, Vol. K
Iprodione (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-19 PT Provider, Association of American Pesticide Control Official (AAPCO), Method
Carfentrazon Ethyl (Wettable Powder)	Pesticide quality control	Gas Chromatography/ Concentration	PQCLF-SOP-L3-20 Method: FMC UNITED PVT. LIMITED.
Hexaconazole (Wettable Powder)	Pesticide quality control	Gas Chromatography/ Concentration	PQCLF-SOP-L3-21 Method: JAFFER BROTHERS.
Acetochlor (Emusifiable Concentrate)	Pesticide quality control	Gas Chromatography/ Concentration	PQCLF-SOP-L3-22 Method: TARA GROUP PAKISTAN.

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Nicosulfuron (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-23 Method: SINO CHEM
Linuron	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-24 Method: Kanzo Ag.
Halosulfuron Methyl (Water Dispersable Granules)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-25 Method: FMC.
Tralkoxydim (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-26 Method: Kanzo Ag .
Fluazinam	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-28 Chem Service
Dichlorvos (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-27 Method: Tara Group Pakistan.
Isoproturon (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-29 Method: Agrolet Chemical Industries.
Metribuzin (Wettable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-30 Method: Warble (Pvt) Limited.

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S-Metolachlor (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-31 Method: Warble (Pvt) Limited
Iprobenfos (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-32 Company Method
Kasugamycin (Soluble Liquid)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-33 Method: HOKKO Chem. Industries
Melathione (Emusifiable Concentrate)	Pesticide quality control	Gas Chromatography/ Concentration	PQCLF-SOP-L3-34 Method : CIPAC Vol. D.
Azoxystrobin (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-35 Method: TARA GROUP PAK.
Flumorph (Wttable Powder)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-36 Method : Kanzo AG
Flumetsulam (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-37 Method : SHANDONG UNITED PESTICIDE INDUSTRY CO., LTD.
Fluoxastrobin (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-38 Method : Arysta Life Sciences.
Indoxacrab (Suspension Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-39 Method : Kanzo Ag.

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Oxyflorfen (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-40 Method : Kanzo Ag.
Pinoxasulam (Oil Dispersion)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-41 Method : Daw Agro Sciences.
Pinoxadin (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-42 Method : SYNGENTA PVT. LTD.
Dicamba (Soluble Liquid)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-43 Method : PT Provider National Laboratory Association, South Africa(NLA), Method
Metolachlor (Emusifiable Concentrate)	Pesticide quality control	High Performance Liquid Chromatography/ Concentration	PQCLF-SOP-L3-44 Method : PT Provider National Laboratory Association, South Africa(NLA), Method
Azocyclotin	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-45 Company Method
Benalaxyl-M	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-46 SAC/TM-23
Rimsulfuron	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-47 CIPAC method
Metsulfuron Methyl	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-48 CIPAC method , Vol.-H, Page No. 204

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Penflufen	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-49 Bayer
Isoxaflutol	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-50 Bayer Pvt. Lmtd.
Lambda Cyhalothrin	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-51 ASTM, International American Society for Testing and materials , Vol-36, 2016 Page No. 102-112
Beta Cyfluthrin	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-52 CIPAC Method , Vol.H, Page, 43
Emamectin Benzoate	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-53 Company method, Pak China Chemicals
Carbofuron	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-54 CIPAC method No.276,Vol, D Pg, 20-23,
Monomehypo	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-55 Company method, Pak China Agro Chemicals
Fipronil	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-56 CIPAC method No.581, Vol, I, Pg. 60-65
Bromoxynil Octanoate	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-57 Company method, Chem Services method.

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MCPA Oxley	Iso	Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-58 Company Method , Dow Chemicals
Chlorpyrifos		Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-59 CIPAC Method No.683,Vol M, Pag.No.26-39
Carbosulfan		Pesticide quality control	High performance liquid chromatography/ concentration	PQCLF-SOP-L3-60 CIPAC Method No.417,Vol-E, Pag.No.35-41

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Calibration Laboratory.

Accreditation Scope of ABC Lab. PQR City, XYZ Country.

Permanent laboratory premises

Field of measurement:			
Measured quantity	Range	*Expanded Uncertainty (±)	Technique, Reference Standard, Equipment

*** Expanded Uncertainty:**

- Expanded Uncertainty is the measurement uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. This measurement uncertainty is a value for which the laboratory has been accredited using the procedure that was the subject of assessment. In certificates issued under its accreditation scope an accredited laboratory is not permitted to quote an uncertainty that is smaller than the published uncertainty for respective ranges as given above.

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