Accreditation No: LAB 226

Awarded to

Pesticide Residues Testing Laboratory, Ecotoxicology Research Program, PARC National Agricultural Research Centre, Islamabad, 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 **14-06-2021** 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 **13-06-2024.**

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

14-06-2021
Date

Sd
Director General

Testing Laboratory.

Accreditation Scope of Pesticide Residues Testing Laboratory, National Agricultural Research Centre, Islamabad, 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
Grains	Chemical Testing	Quantitative analysis of Pesticide Residues of 1. Atrazine 2. Azoxystrobin 3. Bensulfuron-methyl 4. Bifenthrin 5. Bispyribac sodium 6. Carbaryl 7. Carbendazim 8. Carbofuran 9. Cyhalothrin-λ 10. Cypermethrin-α 11. Diazinon 12. Difenconazole 13. Dimethoate 14. Flonicamid 15. Hexaconazole 16. Imidacloprid 17. Malathion 18. Parathion	**PRTL-NARC-G-001** **SOP for Grains** **EURL based validated method** (Determination of pesticide residues using GC-MS(/MS) and/or LC-MS/MS following acetonitrile extraction/partitioning and cleanup by dispersive SPE – QuEChERS-method. CEN/TC 275 prEN 1556662:2007). Liquid Chromatography-Mass Spectrometry (LC-MS/MS)

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		19. Propiconazole 20. Tebuconazole 21. Thiamethoxam 22. Triazophos 23. Trifloxystrobin	
Fruits & Vegetables	Chemical Testing		**PRTL-NARC-FV-001** SOP for fruits and **PRTL-NARC-FV-002** SOP for vegetables **EURL based validated methods** • (EN-15662. (2008). BS-EN-15662:2008. Foods of plant origin - Determination of pesticide residues using GC–MS and/or LC–MS/MS following acetonitrile extraction/partitioning and clean-up by dispersive SPE - QuEChERS method. Bristish Standard. ISBN 978 0 580 58441 1. • EN-15662. (2018). ILNAS-EN-15662:2018. Foods of plant origin - Multimethod for the determination of pesticide residues using GC – and LC – based analysis following acetonitrile extraction/partitioning and clean-up by dispersive SPE-Modular QuECHERS – method)
		1. Acetamiprid	LC-MS/MS
		2. Atrazine	GC-µECD, GC-MSD, LC-MS/MS
		3. Azoxystrobin	LC-MS/MS

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		4. Bifenthrin	GC-µECD GC-MSD
		5. Boscalid	LC-MS/MS
		6. Carbendazim	LC-MS/MS
		7. Carbofuran	LC-MS/MS
		8. Carbosulfan	LC-MS/MS
		9. Carfentrazone-ethyl	LC-MS/MS
		10. Chlorpyrifos	GC-µECD GC-MSD
		11. Cyhalothrin-λ	GC-µECD GC-MSD
		12. Cypermethrin-α	GC-µECD GC-MSD
		13. DDT	GC-µECD GC-MSD
		14. Deltamethrin	GC-uECD GC-MSD
		15. Diazinon	LC-MS/MS
		16. Difenoconazole	LC-MS/MS
		17. Dimethoate	LC-MS/MS
		18. Endosulfan sulfate	GC-µECD GC-MSD
		19. Endosulfan-α	GC-µECD GC-MSD
		20. Endosulfan-β	GC-µECD GC-MSD
		21. Endrin	GC-µECD GC-MSD
		22. Ethion	GC-µECD GC-MSD LC-MS/MS
		23. Fipronil	LC-MS/MS
		24. Fluvalinate-τ	LC-MS/MS
		25. HCH	GC-µECD GC-MSD
		26. Heptachlor	GC-µECD GC-MSD
		27. Heptachlor endo-epoxide	GC-µECD GC-MSD
		28. Heptachlor exo-epoxide	GC-µECD GC-MSD

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		29. Hexaconazole	LC-MS/MS
		30. Imazalil	LC-MS/MS
		31. Imidacloprid	LC-MS/MS
		32. Indoxacarb	LC-MS/MS
		33. Lindane	GC-µECD GC-MSD
		34. Malathion	LC-MS/MS
		35. Metalaxyl	LC-MS/MS
		36. Monocrotophos	LC-MS/MS
		37. Prochloraz	LC-MS/MS
		38. Propiconazole	GC-MSD LC-MS/MS
		39. Propyzamide	GC-µECD GC-MSD
		40. Pyraclostrobin	GC-MSD LC-MS/MS
		41. Pyriproxyfen	LC-MS/MS
		42. Spiromesifen	LC-MS/MS
		43. Tebuconazole	LC-MS/MS
		44. Thiabendazole	LC-MS/MS
		45. Thiomethoxam	LC-MS/MS
		46. Thiophanate methyl	LC-MS/MS
		47. Triadimefon	GC-µECD GC-MSD LC-MS/MS
		48. Triadimenol	GC-µECD GC-MSD LC-MS/MS
		49. Triazophos	LC-MS/MS
		50. Trichlorfon	LC-MS/MS

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