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Accreditation No: LAB 236

Awarded to

**Pesticide Residue & Aflatoxin Testing Laboratory
Four Brothers Chemicals (Pvt.) Limited,
2-KM, 21-KM, Off Ferozpur Raod, 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 **28.01.2022**.

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

01-07-2021

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Director General

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Testing Laboratory.

Accreditation Scope of
Pesticide Residue & Aflatoxin Testing Laboratory
Four Brothers Chemicals (Pvt.) Limited,
Lahore, Pakistan.

Permanent laboratory premises

Pesticide Residue & Aflatoxin Testing Laboratory

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
Acephate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Acephate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Carbendazim residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Carbendazim residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf

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Diemthoate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Diemthoate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Dimethomorph residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Dimethomorph residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Paclobutrazole residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Paclobutrazole residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Fenpyroximate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Fenpyroximate residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf

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Thiamethoxam residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Thiamethoxam residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Spirotetramat residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Spirotetramat residue Testing in Rice	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Acetamiprid) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Acetamiprid) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Atrazine) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Atrazine) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf

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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
Pesticide (Azoxystrobin) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Pesticide (Azoxystrobin) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Pesticide (Imidacloprid) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Pesticide (Imidacloprid) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Pesticide (Tabuconazole) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf
Pesticide (Tabuconazole) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295_en.pdf

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Pesticide (Thiamethoxam) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Thiamethoxam) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Paclobutrazol) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Paclobutrazol) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Spirotetramat) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Spirotetramat) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Fenpyroximate) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf

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Pesticide (Fenpyroximate) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Dichlorvos) Residue in Flour (Qualification)	Pesticide Residue Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
Pesticide (Dichlorvos) Residue in Flour (Quantification)	Pesticide Residue Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-002 Ref: In House Verified method https://www.waters.com/webassets/cms/library/docs/720005295en.pdf
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
Aflatoxin B2 testing in food items	Aflatoxin Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method
Aflatoxin B2 testing in food items	Aflatoxin Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method
Aflatoxin G2 testing in food items	Aflatoxin Testing on LCMS/MS	Quantitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method

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Aflatoxin G2 testing in food items	Aflatoxin Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method
Total Aflatoxin testing in food items	Aflatoxin Testing on LCMS/MS	Quantitative Determination of Active Ingredients	4B-STM (HT)-001 Ref: In House validated Test Method
Aflatoxin B1 testing in food items	Aflatoxin Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method
Aflatoxin B1 testing in food items	Aflatoxin Testing on LCMS/MS	Quantification Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method
Aflatoxin G1 testing in food items	Aflatoxin Testing on LCMS/MS	Qualitative Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House vsvalidated Test Method
Aflatoxin G1 testing in food items	Aflatoxin Testing on LCMS/MS	Quantification Determination of Active Ingredient	4B-STM (HT)-001 Ref: In House validated Test Method

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