

	<b>ACCREDITATION DOCUMENT</b>	<b>F-06/02</b> <b>Issue Date: 10/08/2020</b> <b>Rev. No: 09</b> <b>LAB 198</b>
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## **Accreditation No: LAB 198**

**Awarded to**

**Exin Chemicals Corporation, Quality Assurance Laboratory,  
Plot No. 33-B Industrial Estate, Phase-I, Multan, 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 **02-04-2020** 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 **01-04-2023**.

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**

**26-05-2021**  
**Date**

**xxSdxx**  
**Director General**



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**Testing Laboratory.**

**Accreditation Scope of Exin Chemicals Corporation, Quality Assurance Laboratory,  
 Plot No. 33-B Industrial Estate, Phase-I, Multan, Pakistan.**

Permanent laboratory premises

<b>Materials/Products tested</b>	<b>Testing field (e.g. environmental testing or mechanical testing)</b>	<b>Types of test/ Properties measured</b>	<b>Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference</b>
<p><b>Pesticide (Finished/Formulated Products)</b>            Acetamiprid ,Chlorpyrifos, Fipronil,Lufenuron, Imidacloprid,Abamectin, Clodinafop Propargyl, Metolachlor, Bifenthrin, Lambda Cyhalothrin, Indoxacarb, Pyriproxifin</p> <p><b>Fertilizer (Finished/Formulated Products)</b>            Potash(K<sub>2</sub>O), Zinc (Zn)</p>	Physical Testing	Qualitative determination of pH	<p><b>(EXIN/QAL/STM/1)</b></p> <p>Verified Method based on CIPAC Hand Book, Volume F, and Method No. MT75, Pg. 205 pH meter</p>
<p><b>Pesticide (Finished/Formulated Products)</b>            Acetamiprid ,Chlorpyrifos, Fipronil,Lufenuron, Imidacloprid,Abamectin, Clodinafop Propargyl, Metolachlor, Bifenthrin, Lambda Cyhalothrin, Indoxacarb, Pyriproxifin</p> <p><b>Fertilizer (Finished/Formulated Products)</b></p>		Qualitative determination of Density	<p><b>(EXIN/QAL/STM/8)</b></p> <p>Verified Method based on CIPAC Hand Book, Volume F, and Method No. MT3.3, Pg. 13 (Pyknometer method)</p>

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Potash(K <sub>2</sub> O), Zinc (Zn)			
<p><b>Pesticides</b>  <i>(Finished &amp; Formulated, WP, SP, WDG/WG and SC Products)</i>            Acetamiprid ,Chlorpyrifos, Fipronil,Lufenuron, Imidacloprid,Abamectin, Clodinafop Propargyl, Metolachlor, Bifenthrin, Lambda Cyhalothrin, Indoxacarb, Pyriproxifin</p>	Physical Testing	Qualitative determination of Suspensibility	<p><b>(EXIN/QAL/STM/16)</b>            Verified Method based on CIPAC Hand Book, Volume k, and Method No. MT 184, Pg. 142-145            Gravimetric</p>
<p><b>Pesticides</b>  <i>(Finished &amp; Formulated EC,SL,EW &amp; OD Products)</i>            Acetamiprid ,Chlorpyrifos, Fipronil,Lufenuron, Imidacloprid,Abamectin, Clodinafop Propargyl, Metolachlor, Bifenthrin, Lambda Cyhalothrin, Indoxacarb, Pyriproxifin</p>		Qualitative determination of Emulsion	<p><b>(EXIN/QAL/STM/9)</b>            Verified Method based on CIPAC Hand Book, Volume F, and Method No. MT 36, Pg. 108-114            Physical Appearance</p>
<p><b>Pesticides</b>  <i>(Finished &amp; Formulated, WP, WDG/WG Products)</i>            Acetamiprid ,Chlorpyrifos, Fipronil,Lufenuron, Imidacloprid,Abamectin, Clodinafop Propargyl, Metolachlor, Bifenthrin, Lambda Cyhalothrin, Indoxacarb, Pyriproxifin</p>		Qualitative determination of Wettability	<p><b>(EXIN/QAL/STM/17)</b>            Verified Method based on CIPAC MT 53.3 wetting of wettable powders Method number: 53.3/MT/-Page: 164            Cipac Volume: F</p>
<p><b>Pesticide Formulation /Finished product &amp; Technical (Solid &amp; Liquid)</b></p>	Chemical Testing of Pesticide	Quantitative Determination of Acetamiprid (Active Ingredient)	<p><b>(EXIN/QAL/STM/2)</b>            In House Modified &amp; Validated Method CIPAC Hand Book UK Vol.-L ,2006 ; Page:5</p>

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Acetamiprid, Chlorpyrifos Fipronil Lufenuron Imidacloprid Abamectin Clodinafop Propargyl Metolachlor Bifenthrin Lambda Cyhalothrin Indoxacarb Pyriproxifin			(HPLC Technique)
	Chemical Testing of Pesticide	Quantitative Determination of Chlorpyrifos (Active Ingredient)	(EXIN/QAL/STM/3) In House Modified & Validated Method CIPAC Hand Book UK , Vol. - 1C (1982-84) ; Page : 2028 (HPLC Technique)
		Quantitative Determination of Fipronil (Active Ingredient)	(EXIN/QAL/STM/4) In House Modified & Validated Method CIPAC Hand Book UK Vol.-J Page:61.(HPLC Technique)
		Quantitative Determination of Lufenuron (Active Ingredient)	(EXIN/QAL/STM/5) In House Modified & Validated Method CIPAC Hand Book UK , Vol. -M Page : 106 (HPLC Technique)
		Quantitative Determination of Imidacloprid (Active Ingredient)	(EXIN/QAL/STM/6) In House Modified & Validated Method CIPAC UK Hand Book Vol.- K (2003) ; Page:70. (HPLC Technique)
		Quantitative Determination of Abamectin (Active Ingredient)	(EXIN/QAL/STM/12) Brazilian Journal of Pharmaceutical Sciences vol. 52. Modified Validated Method (HPLC Technique)

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Chemical Testing of Pesticide	Quantitative Determination of Clodinafop Propargyl (Active Ingredient)	(EXIN/QAL/STM/13) In-House Modified & Validated Method based on CIPAC Vol M page # 26-29. (HPLC Technique)
	Quantitative Determination of Metolachlor (Active Ingredient)	(EXIN/QAL/STM/14) In-house Modified & validated method based on NLA South Africa .(HPLC Technique)
	Quantitative Determination of Bifenthrin (Active Ingredient)	(EXIN/QAL/STM/15) In-House developed and validated method based on International Journal of Advance Research (Volume 5, Issue 6). (HPLC Technique)
	Quantitative Determination of Lambda Cyhalothrin (Active Ingredient)	(EXIN/QAL/STM/16) In-House developed and validated Method based on University of China qingdgo,. (HPLC Technique)
	Quantitative Determination of Indoxacarb (Active Ingredient)	(EXIN/QAL/STM/17) NLA South Africa modified validated method. (HPLC Technique)
	Quantitative Determination of Pyriproxifin (Active Ingredient)	(EXIN/QAL/STM/18) In-House Modified & validated

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			Method based on CIPAC Vol M page # 180-183 (HPLC Technique)
<b>Fertilizer (Formulation/Finished &amp; Technical) (Solid &amp; Liquid)</b>  Zinc (Zn)	Chemical Testing of Fertilizer	<b>Quantitative determination of Zinc (Zn) (Active Ingredient)</b>	(EXIN/QAL/STM/19)  Hach Method 8009. (Spectrophotometer Technique)
<b>Fertilizer (Formulation/Finished &amp; Technical) (Solid &amp; Liquid)</b>  Potash (K <sub>2</sub> O)		<b>Quantitative determination of Potash (K<sub>2</sub>O) (Active Ingredient)</b>	In House Modified & Validated Method (EXIN/QAL/STM/7)  Method for Fertilizers, FAMIC 2013, JAPAN. Page 133 (Flame photometer Technique)

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