Accreditation No: LAB 110

Awarded to

Suncrop (Pvt.) Ltd. Laboratory,
8-B, Industrial Estate,
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 **16-08-2016** 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 **15-08-2028.**

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

11-05-2026
Date

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Director General

Testing Laboratory.

Accreditation Scope of SUNCROP (Pvt.)Ltd. LABORATORY, 8-B Industrial Estate, Multan, Pakistan.

Permanent laboratory premises **X**

Materials/Products Tested	Testing field (e.g. environmental testing or mechanical	Types of test/ Properties measured	Reference to standardized method (e.g. ISO 14577-1:2003)/ Internal method reference
Pesticide and Fertilizer (Finished / Formulated)	Physical Testing	Appearance (Finished/Formulated Product)	Standard colours / Visual
Pesticide and Fertilizer (Finished / Formulated)		Density (Finished/Formulated Product)	**SUNCROP/WI-01** Verified method. Based on: MT 03, CIPAC Volume F, 2007, page# 11-12 & 18-19/Hydrometer Method
Pesticide Emulsifiable Concentrate (Finished / Formulated)		Emulsion (Finished/Formulated Product)	**SUNCROP/WI-02** Verified method Based on: MT 36, CIPAC Volume F, 2007,page# 108 – 114
Pesticide and Fertilizer (Finished / Formulated)		pH	**SUNCROP/WI-03** Verified method: Based on: MT 75, CIPAC Volume F, 2007/ pH meter & glass electrode
Pesticide Wettable powder and water Dipersible Granules (Finished / Formulated)		Suspensibility (Finished/Formulated Product)	**SUNCROP/WI-04** Verified method: Based on: MT 15 & MT168 CIPAC Volume F, 2007, page# 45 – 48 & 417-418
Pesticide Wettable Powder (Finished / Formulated)		Wettability	**SUNCROP/WI-05** Verified method. Based on: MT 53, CIPAC Volume F, 2007, page# 164-166
Pesticide (Suspension Concentrate) (Finished / Formulated)		Viscosity (Finished/ Formulated Product)	**SUNCROP/WI-06** Verified method: Based on: MT 192, CIPAC Volume L, 2006/Page#145 – 146/Viscometer Method

Acephate Formulations & Technical	Chemical Testing	Quantitative analysis of active Ingredient (Acepate)	**SUNCROP/WI-07** Verified method Based on: NLA-PT-T-P-07-06, Page#8-9 (HPLC Technique)
Acetamiprid Formulations & Technical		Quantitative analysis of active Ingredient (Acetamiprid)	**SUNCROP/WI-08** Verified Method. Based on :649/TC/M,CIPAC Volume L,2006, Page#4-11 (HPLC Technique)
Atrazine Formulations & Technical		Quantitative analysis of active Ingredient (Atrazine)	**SUNCROP/WI-09** Verified Method, Based on: NLA-PT-T-P-07-06/ Page#8-9 (HPLC Technique)
Benfuracarb Formulations & Technical		Quantitative analysis of active Ingredient (Benfuracarb)	**SUNCROP/WI-10** Verified Method, Based on :501/TC/M,CIPAC Volume H page#38-42 ,2008.(HPLC Technique
CartapHydrochloride Formulations & Technical		Quantitative analysis of active Ingredient (Cartaphydrochloride)	**SUNCROP/WI-11** Verified Method. Based on: 387/TC/M/ CIPAC Volume D, 1988 Page#24 - 27. (Spectrophotometer Method)
Clothianidin Formulations & Technical		Quantitative analysis of active Ingredient (Clothianidin)	**SUNCROP/WI-12** Verified Method. Based on:738/TC/M/CIPAC Volume , N, (2012), Page#14 - 17 /(HPLC Technique)
Fipronil Formulations & Technical		Quantitative analysis of active Ingredient (Fipronil)	**SUNCROP/WI-13** Verified Method, Based on: 581/TC/M/ CIPAC Volume-J, 2000.Page#61-65 HPLC Technique
Lambdacyhalothrin Formulations & Technical		Quantitative analysis of active Ingredient (Lambda Cyhalothrin)	**SUNCROP/WI-14** Verified Method. Based on: NLA-PT-T-P-07-06/ Page#8-9/(HPLC Technique)
Mancozeb Formulations & Technical		Quantitative analysis of active Ingredient (Mancozeb)	**SUNCROP/WI-15** Verified Method. Based on:61/TC/M/ CIPAC Volume "E" Page 116-119

Pyriproxyfen Formulation & Technical	Chemical Testing	Quantitative analysis of active Ingredient (Pyriproxyfen)	**SUNCROP/WI-16** Verified Method, Based on:715/EC/M,CIPAC Volume M,2009.Page#181-184 (HPLC Technique)
Sulphur Formulation & Technical		Quantitative analysis of active Ingredient (Sulphur)	**SUNCROP/WI-17** Verified Method Based on: 18 /TC/M/ CIPAC Volume E,(1993),Page#202 - 205/Gravimetric Method
Lufenuron Formulation & Technical		Quantitative analysis of active Ingredient (Lufenuron)	**SUNCROP/WI-18** Verified Method. Based on: NLA-PT-T-P-27-01/ Page#8-9/(HPLC Technique)
Thiophenate Methyl Formulation & Technical		Quantitative analysis of active Ingredient (Thiophenate Methyl)	**SUNCROP/WI-19** Verified Method, Based on:262/TC/M,CIPAC Volume D 1988, Page#162-165/ (HPLC Technique)
Flonicamid Formulation & Technical		Quantitative analysis of active Ingredient (Flonicamid)	**SUNCROP/WI-20** Verified Method Based on: NLA-PT-T-P-27-01/ Page#8-9/(HPLC Technique)
MCPA Formulation & Technical		Quantitative analysis of active Ingredient (MCPA)	**SUNCROP/WI-21** Verified Method, Based on: NLA-PT-T-P-07-06/ Page#8-9/ (HPLC Technique)
Bifenthrin Formulation & Technical		Quantitative analysis of active Ingredient (Bifenthrin)	**SUNCROP/WI-22** Verified Method, Based on: NLA-PT-T-P-07-06/ Page#8-9/ (HPLC Technique)
Carbofuron Formulation & Technical		Quantitative analysis of active Ingredient (Carbofuron)	**SUNCROP/WI-23** Verified Method, Based on:276/TC/M,CIPAC Volume D 1988, Page#20-23./ (HPLC Technique)

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Paraquat Formulation & Technical	Chemical Testing	Quantitative analysis of active Ingredient (Paraquat)	**SUNCROP/WI-24** Verified Method Based on: 56/SL/M,CIPAC Volume M 1993, Page#166 – 168./ (Spectrophotometer Technique)
Pendimethalin Formulation & Technical		Quantitative analysis of active Ingredient (Pendimethalin)	**SUNCROP/WI-25** Verified Method, Based on:357/TC/M,CIPAC Volume M /2009, Page#148-154./ HPLC Technique
Dinotefuron Formulation & Technical		Quantitative analysis of active Ingredient (Dinotefuron)	**SUNCROP/WI-26** Verified Method, Based on:749/TC/M,CIPAC Volume L 2006, Page#67 – 70 (HPLC Technique).
Metalaxyl Formulation & Technical		Quantitative analysis of active Ingredient (Metalaxyl)	**SUNCROP/WI-27** Verified Method , Based on :365/TC/M,CIPAC Volume E 1993, Page#123-125./(GC Technique)
Chlorfenapyr Formulation & Technical		Quantitative analysis of active Ingredient (Chlorfenapyr)	**SUNCROP/WI-28** Verified Method, Based on: NLA-PT-T-P-07-06/ Page#8-9/ (HPLC Technique)
Spirotetramate Formulation & Technical		Quantitative analysis of active Ingredient (Spirotetramate)	**SUNCROP/WI-29** Verified Method, Based on: NLA-PT-T-P-27-01/ Page#8-9/(HPLC Technique)
Thiamethoxam Formulation & Technical		Quantitative analysis of active Ingredient (Thiamethoxam)	**SUNCROP/WI-30** Verified Method, Based on:NLA-PT-T-P-07-06/ Page#8-9 (HPLC Technique)
Mesosulfuron Methyl Formulation & Technical		Quantitative analysis of active Ingredient (Mesosulfuron mthyl)	**SUNCROP/WI-31** Verified Method Based on: NLA-PT-T-P-27-01/ Page#8-9(HPLC Technique)
Iodosulfuron Methyl sodium Formulation & Technical		Quantitative analysis of active Ingredient (Iodosulfuron methyl)	**SUNCROP/WI-32** Verified Method Based on: NLA-PT-T-P-27-01/ Page#8-9/(HPLC Technique)

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Metolachlor Formulation & Technical	Chemical Testing	Quantitative analysis of active Ingredient (Metolachlor)	**SUNCROP/WI-36** Verified Method Based on: NLA-PT-T-P-27-01/ Page#8-9/ (HPLC Technique
Imidacloprid Formulation & Technical		Quantitative analysis of active Ingredient (Imidacloprid)	**SUNCROP/WI-37** NLA-PT-T-P-07-04 (20), Based on Reference:582/TC/M,CIPAC Volume H 2008. HPLC
Mesotrione Formulation & Technical		Quantitative analysis of active Ingredient (Mesotrione)	**SUNCROP/WI-42** Verified Method Based on: NLA-PT-T-P-23-02 (21) / Page#8-9(HPLC Technique)
Difenconazole Formulation & Technical		Quantitative analysis of active Ingredient (Difenconazole)	**SUNCROP/WI-43** Verified Method Based on: NLA-PT-T-P-07-06 (20) / Page#8-9/(HPLC Technique)
Azoxystrobin Formulation & Technical		Quantitative analysis of active Ingredient (Azoxystrobin)	**SUNCROP/WI-44** Verified Method Based on: NLA-PT-T-P-06-08 (21) / Page#8-9/ (HPLC Technique)
Chlorpyrifos Formulation & Technical		Quantitative analysis of active Ingredient (Chlorpyrifos)	**SUNCROP/WI-45** Verified Method Based on: NLA-PT-T-P-07-06 (20) / Page#8-9(HPLC Technique)
Diafenthiuron Formulation & Technical		Quantitative analysis of active Ingredient (Diafenthuiron)	**SUNCROP/WI-46** Verified Method Based on: NLA-PT-T-P-27-01 (20) / Page#8-9/(HPLC Technique)
Nitenpyram Formulation & Technical		Quantitative analysis of active Ingredient (Nitenpym)	**SUNCROP/WI-53** **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / (HPLC Technique)

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Chloronil Formulation & Technical		Quantitative analysis of active Ingredient (Chloronil)	**SUNCROP/WI-54** **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / 9,(HPLC Technique)
Quizalofop-p-ethy **Formulation** **&** **Technical**		Quantitative analysis of active Ingredient (Quizalofop-p-ethyl)	**SUNCROP/WI-55** **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / HPLC Technique)
(Emamectin Benzoate+ Chloratraniliprole) Formulation & Technical		Quantitative analysis of active Ingredient (Emamectin Benzoate+Chlorantraniliprole)	**SUNCROP/WI-59** **(**Emamectin Benzoate) **SUNCROP/WI-56)** (Chlorantraniliprole) **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / (HPLC Technique)
(Tebuconazole+Pyraclostrobin) Formulation & Technical		Quantitative analysis of active Ingredient (Tebuconazole+Pyraclostrobin)	**SUNCROP/WI-60** (Tebuconazole) **SUNCROP/WI-61** (Pyraclostrobin) **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / (HPLC Technique)
Chlorantraniliprole Formulation & Technical		Quantitative analysis of active Ingredient (Chlorantraniliprole)	**SUNCROP/WI-56** **Verified Method** Based on PT, NLA-PT-T-P-23-03 (22), / (HPLC Technique)
Nitrogen Fertilizer Formulation & Technical		Quantitative Determination of Active Ingredient. **Ammonical Nitrogen** Quantitative Determination of Active Ingredient. **Nitrate Nitrogen** Quantitative Determination of Active Ingredient. **Total Nitrogen** Quantitative Determination of Active Ingredient. **Uric Nitrogen**	**SUNCROP/WI-33** Based on Reference: Official Methods of Analysis of AOAC International 21st Edition 2019, Volume I, Current through Revision 2019. Method No. 2.4.0.5 (AOAC Official Method 978.02), Fertilizer Chapter 2 Page 14-15 (Kjeldhal,s distillation apparatus)

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Phosphorous Fertilizer Formulation & Technical		Quantitative analysis of active Ingredient citrate soluble and Total Phosphorous (P_2O_5)	**SUNCROP/WI-34** Based on: Pakistan Standard for Single Super Phosphate (2nd edition) PS: 67-1996 PSQCA.Karachi. (Titrimetric Method)
Potassium Fertilizer Formulation & Technica		Quantitative analysis of active Ingredient Water soluble Potassium (K_2O)	**SUNCROP/WI-35** Richards.L.A 1954. Diagonosis and improvement of saline and alkali soil.USDA, agric, Handbook 60, Washington.D.C. ii) standard operating Manual of Flame photometer.
Humic Acid Formulation & Technical		Quantitative analysis of active Ingredient HUMIC ACID	**SUNCROP/WI-38** John Husler, Uni of new Mexico, Dept. of geology, Albuquerque, New Maxico. A.L, page, Metod of soil analysis, Part2, American Socity of Agronomy, Inc, Madison, Wisconsin, 1982(Gravimetric Method)
Zinc Fertilizer Formulation & Technical		Quantitative analysis of active Ingredient ZINC (Water Soluble and Acid soluble)	SUNCROP/WI-39 Verified Method. Based on: USEPA 8009, HACH Kit Method Page#1 – 5 (Spectrophotometric Method)
Iron Fertilizer Formulation & Technical		Quantitative analysis of active Ingredient IRON (Water Soluble and Acid soluble)	SUNCROP/WI-40 Verified Method. Based on: USEPA 8146, HACH Kit Method Page#1 – 5 (Spectrophotometric Method)
Manganese Fertilizer Formulation & Technical		Quantitative analysis of active Ingredient MANGANESE (Water Soluble and Acid soluble)	SUNCROP/WI-41 Verified Method. Based on: USEPA 8034, HACH Kit Method Page#1 – 5 (Spectrophotometric Method)
Copper Fertilizer Formulation & Technical		Quantitative analysis of active Ingredient Copper (Water Soluble and Acid soluble)	SUNCROP/WI-57 SUNCROP/WI-41 Verified Method. Based on: USEPA 8034, HACH Kit Method Page#1 – 5 (Spectrophotometric Method)

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Toxicology Studies	**Physical Testing**	**Acute Dermal Irritation Test**	**SUNCROP/WI-50 OECD(2015) Test no 404: Acute Dermal Irritation/Corrosion, OECD Publishing, Paris.**
Toxicology Studies	**Physical Testing**	**Acute Eye Irritation Test**	**SUNCROP/WI-51 OECD(2021) Test no 405: Acute Eye Irritation/Corrosion, OECD Publishing, Paris.**
Toxicology Studies	**Physical Testing**	**Acute Dermal Toxicity Test**	**SUNCROP/WI-48 OECD(2017) Test no 402: Acute Dermal Toxicity, OECD Publishing, Paris.**
Toxicology Studies	**Physical Testing**	**Acute Oral Toxicity Test**	**SUNCROP/WI-47 OECD(2001) Test no 423: Acute Oral Toxicity, OECD Publishing, Paris.**
Toxicology Studies	**Physical Testing**	**Skin SensitizationToxicity Test**	**SUNCROP/WI-52 OECD (2021) Test no 406: Acute Oral Toxicity, OECD Publishing, Paris.**

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