



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

PESTICIDE TOXICOLOGY DIVISION, NATIONAL INSTITUTE OF OCCUPATIONAL HEALTH (ICMR, GOVT. OF INDIA)

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Meghani Nagar, Ahmedabad, Gujarat

in the field of

TESTING

Certificate Number TC-5514 (In lieu of T-2370)

Issue Date 08/02/2017



Valid Until 07/02/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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SCOPE OF ACCREDITATION

Laboratory Pesticide Toxicology Division, National Institute of Occupational Health (ICMR, Govt. of India), Meghani Nagar, Ahmedabad, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-5514 (In lieu of T-2370)

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Validity 08.02.2017 to 07.02.2019

Last Amended on --

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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CHEMICAL TESTING

I. RESIDUES IN WATER				
1.	Drinking and River Water	Organochlorine Pesticides		
		α BHC	NIOH/SOP/C/III-2 (Issue No. 02, Issue Date: 20/10/2016)	0.1 µg/L to 1000 µg/L
		β BHC		0.1 µg/L to 1000 µg/L
		γ BHC		0.1 µg/L to 1000 µg/L
		δ BHC		0.1 µg/L to 1000 µg/L
		Endosulfan I		0.1 µg/L to 1000 µg/L
		Endosulfan II		0.1 µg/L to 1000 µg/L
		Endosulfan Sulfate		0.1 µg/L to 1000 µg/L
		α chlordane		0.1 µg/L to 1000 µg/L
		γ chlordane		0.1 µg/L to 1000 µg/L
		Endrin		0.1 µg/L to 1000 µg/L
		Endrin aldehyde		0.1 µg/L to 1000 µg/L
		Endrin ketone		0.1 µg/L to 1000 µg/L
		Dieldrin		0.1 µg/L to 1000 µg/L
		pp' DDE		0.1 µg/L to 1000 µg/L
		pp' DDD		0.1 µg/L to 1000 µg/L
		pp' DDT		0.1 µg/L to 1000 µg/L
		Aldrin	0.1 µg/L to 1000 µg/L	
		Heptachlor	0.1 µg/L to 1000 µg/L	
		Heptachlor epoxide (Isomer B)	0.1 µg/L to 1000 µg/L	
		Methoxychlor	0.1 µg/L to 1000 µg/L	
		Organophosphorous Pesticides		
		Acephate	NIOH/SOP/C/III-3 (Issue No.02, Issue Date:20.10.2016)	0.5 µg/L to 1000 µg/L
		Dichlorvos		0.5 µg/L to 1000 µg/L

Rini Narayan
Convenor

N. Venkateswaran
Program Director



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		Dimethoate		0.5 µg/L to 1000 µg/L
		Ethion		0.5 µg/L to 1000 µg/L
		Malathion		0.5 µg/L to 1000 µg/L
		Malaoxon		0.5 µg/L to 1000 µg/L
		Monocrotophos		0.5 µg/L to 1000 µg/L
		Phorate sulphoxide		0.5 µg/L to 1000 µg/L
		Phorate sulfone		0.5 µg/L to 1000 µg/L
		Phosphamidon		0.5 µg/L to 1000 µg/L
		Quinalfos		0.5 µg/L to 1000 µg/L
		Triazophos		0.5 µg/L to 1000 µg/L
		Profenofos		0.5 µg/L to 1000 µg/L
		Chlorpyrifos Methyl		0.5 µg/L to 1000 µg/L
		Carbamates Pesticides		
		Carbaryl	NIOH/SOP/C/III-3 (Issue No.02, Issue Date:20.10.2016)	0.5 µg/L to 1000 µg/L
		Carbofuran		0.5 µg/L to 1000 µg/L
		3- Hydroxy carbofuran		0.5 µg/L to 1000 µg/L
		Imidacloprid		0.5 µg/L to 1000 µg/L
		Thiodicarb		0.5 µg/L to 1000 µg/L
		Thiacloprid		0.5 µg/L to 1000 µg/L
		Thiamethoxam		0.5 µg/L to 1000 µg/L
		Acetamiprid		0.5 µg/L to 1000 µg/L
		Flubendiamide		0.5 µg/L to 1000 µg/L
		Indoxacarb		0.5 µg/L to 1000 µg/L
		Chlorantraniliprole		0.5 µg/L to 1000 µg/L
		Synthetic Pyrethroids		
		α - Cypermethrin	NIOH/SOP/C/III-2 (Issue No.02, Issue Date:20.10.2016)	0.25 µg/L to 5000 µg/L
		Bifenthrin		0.25 µg/L to 5000 µg/L
		Deltamethrin		0.25 µg/L to 5000 µg/L
		Fenpropathrin		0.25 µg/L to 5000 µg/L
		Fenvalerate		0.25 µg/L to 5000 µg/L

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Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
		λ - Cyhalothrin		0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
		Cyfluthrin		0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
		Herbicides		
		Pendimethalin	NIOH/SOP/C/III-2 (Issue No.02, Issue Date:20.10.2016)	0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
		Alachlor		0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
		Butachlor		0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
		Fluchloralin		0.25 $\mu\text{g/L}$ to 5000 $\mu\text{g/L}$
II.	RESIDUES IN FOOD PRODUCTS			
1.	Fruits and vegetables	Organochlorine Pesticides		
		α BHC	NIOH/SOP/C/III-4 (Issue No.02, Issue Date:20.10.2016)	10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		β BHC		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		γ BHC		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		δ BHC		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Heptachlor		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Heptachlor epoxide (Isomer B)		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endosulfan I		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endosulfan II		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		α chlordane		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		γ chlordane		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endrin		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endrin aldehyde		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endrin ketone		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Dieldrin		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		Endosulfan Sulfate		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		pp' DDE		10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$
		pp' DDD	10 $\mu\text{g/kg}$ to 1000 $\mu\text{g/kg}$	

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		pp'DDT		10 µg/kg to 1000 µg/kg
		Aldrin		10 µg/kg to 1000 µg/kg
		Methoxychlor		10 µg/kg to 1000 µg/kg
		Organophosphorous Pesticides		
		Chlorpyrifos methyl	NIOH/SOP/C/III-5 (Issue No.02, Issue Date:20.10.2016)	50 µg/kg to 1500 µg/kg
		Acephate		50 µg/kg to 1500 µg/kg
		Dichlorvos		50 µg/kg to 1500 µg/kg
		Dimethoate		50 µg/kg to 1500 µg/kg
		Ethion		50 µg/kg to 1500 µg/kg
		Malathion		50 µg/kg to 1500 µg/kg
		Malaaxon		50 µg/kg to 1500 µg/kg
		Monocrotophos		50 µg/kg to 1500 µg/kg
		Phorate sulphoxide		50 µg/kg to 1500 µg/kg
		Phorate sulfone		50 µg/kg to 1500 µg/kg
		Phosphamidon		50 µg/kg to 1500 µg/kg
		Quinalfos		50 µg/kg to 1500 µg/kg
		Triazophos		50 µg/kg to 1500 µg/kg
		Profenophos		50 µg/kg to 1500 µg/kg
		Carbamates Pesticides		
		Carbaryl	NIOH/SOP/C/III-5 (Issue No.02, Issue Date:20.10.2016)	50 µg/kg to 1500 µg/kg
		Carbofuran		50 µg/kg to 1500 µg/kg
		3- Hydroxy carbofuran		50 µg/kg to 1500 µg/kg
		Imidacloprid		50 µg/kg to 1500 µg/kg
		Thiodicarb		50 µg/kg to 1500 µg/kg
		Thiacloprid		50 µg/kg to 1500 µg/kg
		Acetamiprid		50 µg/kg to 1500 µg/kg
		Flubendiamide		50 µg/kg to 1500 µg/kg
		Indoxacarb		50 µg/kg to 1500 µg/kg

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		Chlorantraniliprole		50 µg/kg to 1500 µg/kg
		Thiamethoxam		50 µg/kg to 1500 µg/kg
		Synthetic Pyrethroids		
		α - Cypermethrin	NIOH/SOP/C/III-4 (Issue No.02, Issue Date:20.10.2016)	100 µg/kg to 1500 µg/kg
		Bifenthrin		100 µg/kg to 1500 µg/kg
		Deltamethrin		100 µg/kg to 1500 µg/kg
		Fenpropathrin		100 µg/kg to 1500 µg/kg
		Fenvalerate		100 µg/kg to 1500 µg/kg
		λ - Cyhalothrin		100 µg/kg to 1500 µg/kg
		Cyfluthrin		100 µg/kg to 1500 µg/kg
		Herbicides		
		Pendimethalin	NIOH/SOP/C/III-4 (Issue No.02, Issue Date:20.10.2016)	100 µg/kg to 1500 µg/kg
		Alachlor		100 µg/kg to 1500 µg/kg
		Butachlor		100 µg/kg to 1500 µg/kg
		Fluchloralin		100 µg/kg to 1500 µg/kg
2.	Others			
a.	Serum	Organochlorine Pesticides		
		α BHC	NIOH/SOP/C/III-6 (Issue No.02, Issue Date:20.10.2016)	10 µg/L to 1000 µg/L
		β BHC		10 µg/L to 1000 µg/L
		γ BHC		10 µg/L to 1000 µg/L
		δ BHC		10 µg/L to 1000 µg/L
		Heptachlor		10 µg/L to 1000 µg/L
		Heptachlor epoxide (Isomer A)		10 µg/L to 1000 µg/L
		Heptachlor epoxide (Isomer B)		10 µg/L to 1000 µg/L
		Endosulfan I		10 µg/L to 1000 µg/L
		Endosulfan II	10 µg/L to 1000 µg/L	

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		Endosulfan Sulfate		10 µg/L to 1000 µg/L
		α chlordane		10 µg/L to 1000 µg/L
		γ chlordane		10 µg/L to 1000 µg/L
		Organochlorine Pesticides	NIOH/SOP/C/III-6 (Issue No.02, Issue Date:20.10.2016)	
		Aldrin		10 µg/L to 1000 µg/L
		Dieldrin		10 µg/L to 1000 µg/L
		Endrin		10 µg/L to 1000 µg/L
		Endrin aldehyde		10 µg/L to 1000 µg/L
		Endrin ketone		10 µg/L to 1000 µg/L
		pp' DDE		10 µg/L to 1000 µg/L
		pp' DDD		10 µg/L to 1000 µg/L
		pp' DDT		10 µg/L to 1000 µg/L
		Methoxychlor		10 µg/L to 1000 µg/L

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