

# NABL

## National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

### CERTIFICATE OF ACCREDITATION

## KRISH BIOTECH RESEARCH PVT. LTD.

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

T-1, QK 17 (Part), WBIIDC, Phase-III, Kalyani, Nadia, West Bengal

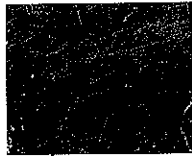
in the discipline of

**BIOLOGICAL TESTING**

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

**Certificate Number** T-2051

**Issue Date** 19/05/2014



**Valid Until** 18/05/2016

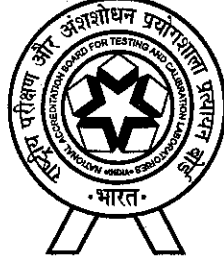
This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the additional requirements of NABL.

Signed for and on behalf of NABL

Manoj Kumar Tiwari  
Program Manager

Anil Relia  
Director

Prof. K. VijayRaghavan  
Chairman



# रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन  
प्रयोगशाला प्रत्यायन बोर्ड  
विज्ञान एवं प्रौद्योगिकी विभाग, भारत

प्रत्यायन प्रमाण-पत्र

कृष बायोटेक रिसर्च प्रा.लि.

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

नाडिया, पश्चिम बंगाल

में स्थित इसकी सुविधाओं के लिए

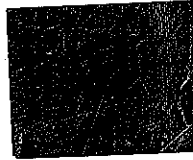
**जैविक परीक्षण**

के विषय क्षेत्र में किया गया।

(इस प्रयोगशाला के प्रत्यायन के विषय क्षेत्र की जानकारी एन ए बी एल वेबसाइट [www.nabl-india.org](http://www.nabl-india.org) से भी प्राप्त कर सकते हैं)

प्रमाण-पत्र संख्या प-2051

जारी करने की तिथि 19/05/2014



वैधता की तिथि 18/05/2016

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

मनोज कुमार तिवारी

मनोज कुमार तिवारी  
कार्यक्रम प्रबन्धक

अनिल रेलिया

अनिल रेलिया  
निदेशक

प्रो. के. विजयराघवन

प्रो. के. विजयराघवन  
अध्यक्ष



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**Department of Science & Technology, India**

## SCOPE OF ACCREDITATION

|                        |   |             |            |
|------------------------|---|-------------|------------|
| Laboratory             | Krish Biotech Research Pvt. Ltd., T-1, QK 17 (Part), WBIIDC, Phase-III, Kalyani, Nadia, West Bengal |             |            |
| Accreditation Standard | ISO/IEC 17025: 2005   |             |            |
| Discipline             | Biological Testing  | Issue Date  | 19.05.2014 |
| Certificate Number     | T-2051  | Valid Until | 18.05.2016 |
| Last Amended on        | -   | Page        | 1 of 10    |

| S.No.                | Product / Material of Test | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|----------------------|----------------------------|---|---|--|
| <b>I. TOXICOLOGY</b> |                            |   |   |  |
| 1.                   | Atrazine Technical         | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|                      |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|                      |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|                      |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|                      |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|                      |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|                      |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|                      |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

*Manoj Kumar Tiwari*

Manoj Kumar Tiwari  
Program Manager

*Deepak Kumar Sharma*

Deepak Kumar Sharma

Convenor



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| Last Amended on        | -  | Page        | 2 of 10    |

| S.No. | Product / Material of Test | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|-------|----------------------------|---|---|--|
| 2.    | Bifenthrin Technical       | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

*Manoj Tiwari*  
Manoj Kumar Tiwari  
Program Manager

*Deepak Sharma*  
Deepak Kumar Sharma

Convenor



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| S.No. | Product / Material of Test | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|-------|----------------------------|---|---|--|
| 3.    | Thiodicarb Technical       | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

*Manoj Kumar Tiwari*

Manoj Kumar Tiwari  
Program Manager

*Deepak Kumar Sharma*

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| S.No.  | Product / Material of Test  | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|--|---|---|---|--|
| 4.   | Carbendazim Technical   | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|  |   | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|  |   | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|  |   | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|  |   | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|  |   | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|  |   | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
| Mammalian chromosome aberration test in Mice/ Rats | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg   |   |  |

*Manoj Kumar Tiwari*

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*Deepak Kumar Sharma*

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| S.No. | Product / Material of Test | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|-------|----------------------------|---|---|--|
| 5.    | Cymoxanil Technical        | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

*MM Tiwari*

Manoj Kumar Tiwari  
Program Manager

*Deepak*

Deepak Kumar Sharma

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|--|---|---|---|--|
| 6.   | Lamda<br>Cyhalothrin<br>Technical   | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|  |   | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|  |   | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|  |   | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|  |   | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|  |   | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|  |   | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
| Mammalian chromosome aberration test in Mice/ Rats | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg   |   |  |

*M. Tiwari*  
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Program Manager

*Deepak*  
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| S.No. | Product / Material of Test   | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|-------|------------------------------|---|---|--|
| 7.    | Metsulfuron-methyl Technical | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                              | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                              | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                              | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                              | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                              | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                              | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                              | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

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Manoj Kumar Tiwari  
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|-------|----------------------------|---|---|--|
| 8.    | Prethachlor Technical      | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

*Manoj Kumar Tiwari*  
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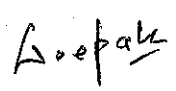
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| S.No. | Product / Material of Test | Specific Test Performed   | Test Method Specification against which tests are performed                               | Range of Testing / Limits of Detection |
|-------|----------------------------|---|---|--|
| 9.    | Acephate Technical         | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

  
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|-------|----------------------------|---|---|--|
| 10.   | Glyphosate Technical       | Acute Oral Toxicity Test in Mice/ Rats  | OECD Guidelines No. 423, 425  | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Dermal Toxicity Test in Rats /Rabbit  | OECD Guidelines No. 402   | 0 to 2000 mg/kg body weight            |
|       |                            | Acute Inhalation Toxicity Test in Rats  | OECD Guidelines No. 403   | 0 to 5 mg/l of air                     |
|       |                            | Primary Skin Irritation test in Rabbits/ Acute Dermal Irritation/ Corrosion Test in Rabbits | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 404                                | 0 to 500 mg or 0 to 0.5 ml             |
|       |                            | Mucous Membrane Irritation test in Rabbits/ Acute Eye Irritation Test in Rabbits            | Gaitonde's Sub-Committee Protocol, OECD Guidelines No. 405                                | 0 to 100 mg or 0 to 0.1 ml             |
|       |                            | Acute fish toxicity test  | OECD Guidelines- No. 203  | Upto 100 mg/l                          |
|       |                            | Mammalian erythrocyte micronucleous test in Mice/ Rats                                      | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 474 | 0 to 2000 mg/kg                        |
|       |                            | Mammalian chromosome aberration test in Mice/ Rats  | Gaitonde's Sub-Committee Recommendations on Pesticide Toxicology, OECD Guidelines No. 475 | 0 to 2000 mg/kg                        |

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