

Laboratory Rallis India Limited, Plot No. Z-110, Dahej SEZ Part-II, P.O. Lakhigam,
Taluka : Vagra, Dist. Bharuch, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7063 (in lieu of T-2164)

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Validity 09.03.2018 to 08.03.2020

Last Amended on 22.03.2018

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

CHEMICAL TESTING

| I. | PESTICIDES | | | |
|----|---|--------------------|--|-------------------------------------|
| 1. | Pesticide – Pendimethalin Technical | Appearance | IS 12685:1989 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/36, Issue no. 01 Dated 22/02/2012 (GC Method) | 90% to 100% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001% to 0.5% |
| | | Acetone Insoluble | IS 6940:1982 (Method 9.0) | 0.001% to 1.0% |
| | | Moisture content | IS 2362-1993 | 0.001% to 1.0% |
| | | Melting Point | IS 6940:1982 (Method 6.0) | 52°C to 56°C |
| 2. | Pesticide – Metribuzin Technical | Appearance | IS 13332:1992 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/37, Issue no. 01 Dated 22/02/2012 (GC Method) | 90.0% to 100% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.01%to 0.5% |
| | | Acetone Insoluble | IS 6940:1982 (Method 9.0) | 0.001% to 1.0% |
| | | Moisture content | IS 2362-1993 | 0.01% to 1.0% |
| | | Melting Point | IS 6940:1982 (Method 6.0) | 122°C to 126°C |
| 3. | Pesticide – Pendimethalin 30% EC | Appearance | IS 12751:1989 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/36, Issue no. 01 Dated 07/01/2013 (GC Method) | 25% to 55% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001% to 0.5% |
| | | Specific Gravity | IS 6940:1982 (Method 5.0) | 0.85 to 1.30 |
| | | Emulsion Stability | IS 6940:1982 (Method 13.3) | 0 to 4 ml |
| | | Flash Point | IS 1448 [Part-20] - 1960 | 20 °C to 70 °C |
| | | Cold Test | IS 6940:1982 (Method 13.1) | Qualitative |

Ruchi Guntuku
Convenor

N. Venkateswaran
Program Director

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| 4. | Pesticide – Pendimethalin 33% EC | Appearance | IS 12751:1989 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/36, Issue no. 01 Dated 08/01/2013 (GC Method) | 25% to 55% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001% to 0.5% |
| | | Specific Gravity | IS 6940:1982 (Method 5.0) | 0.85 to 1.30 |
| | | Emulsion Stability | IS 6940:1982 (Method 13.3) | 0 to 4 ml |
| | | Flash Point | IS 1448 [Part-20] - 1960 | 20 °C to 70 °C |
| | | Cold Test | IS 6940:1982 (Method 13.1) | Qualitative |
| 5. | Pesticide – Pendimethalin 43.5% EC | Appearance | IS 12751:1989 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/36, Issue no. 01 Dated 09/01/2013 (GC Method) | 25°C to 55°C |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001 % to 0.5 % |
| | | Specific Gravity | IS 6940:1982 (Method 5.0) | 0.85 to 1.30 |
| | | Emulsion Stability | IS 6940:1982 (Method 13.3) | 0 to 4 ml |
| | | Flash Point | IS 1448 [Part-20] - 1960 | 20°C to 70 °C |
| | | Cold Test | IS 6940:1982 (Method 13.1) | Qualitative |
| 6. | Pesticide – Pendimethalin 50% EC | Appearance | IS 12751:1989 | Qualitative (Visual Observation) |
| | | Purity | SOP/QA/36, Issue no. 01 Dated 09/01/2013 (GC Method) | 25% to 55% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001% to 0.5% |
| | | Specific Gravity | IS 6940:1982 (Method 5.0) | 0.85 to 1.30 |
| | | Emulsion Stability | IS 6940:1982 (Method 13.3) | 0 to 4 ml |
| | | Flash Point | IS 1448 [Part-20] - 1960 | 20°C to 70 °C |
| | | Cold Test | IS 6940:1982 (Method 13.1) | Qualitative |
| 7. | Pesticide – Hexaconazole Technical | Appearance | IS 14549 : 1998 | Qualitative (Visual Observation) |
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| | | Purity | SOP/QA/56, Issue no. 01 Dated 10/08/2015 (HPLC Method) | 90% to 100% |
| | | Acidity | IS 6940:1982 (Method 11.3) | 0.001% to 0.5% |
| | | Acetone Insoluble | IS 6940:1982 (Method 9.0) | 0.001% to 1.0% |
| | | Moisture content | IS 2362-1993 | 0.001% to 1.0% |

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