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| <b>Laboratory</b>             | <b>ITC Limited, Agri Business Division - ILTD, Spices Laboratory,<br/>Grand Trunk Road, Guntur, Andhra Pradesh</b> |                    |                   |
| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
| <b>Certificate Number</b>     | <b>T-2037</b>                                                                                                      | <b>Valid Until</b> | <b>18.08.2017</b> |
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| <b>S. No.</b>                               | <b>Product /<br/>Material of Test</b>                                                                                 | <b>Specific Test Performed</b>                                                                    | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
| <b>I. FOODS &amp; AGRICULTURAL PRODUCTS</b> |                                                                                                                       |                                                                                                   |                                                                            |                                                   |
| <b>A. Spices and condiments</b>             |                                                                                                                       |                                                                                                   |                                                                            |                                                   |
| <b>1.</b>                                   | <b>Whole, Ground,<br/>flakes &amp; kibbled Spices<br/>(Chilli, Coriander,<br/>Turmeric, Pepper,<br/>Cumin, Clove)</b> | Moisture                                                                                          | ASTA 2011, Rev.01<br>Method. 2.0                                           | 1 % to 20 %                                       |
| <b>2.</b>                                   | <b>Whole, Ground &amp;<br/>kibbled spices<br/>(Coriander, Turmeric<br/>&amp; cumin)</b>                               | Volatile Oil                                                                                      | ASTA 2010, Rev. 04<br>Method. 5.0                                          | 0.02 % to 25 %                                    |
| <b>3.</b>                                   | <b>Whole, flakes &amp;<br/>kibbled Spices (Chilli,<br/>Coriander, Turmeric,<br/>Cumin, Clove)</b>                     | Extraneous matter                                                                                 | ASTA 1997, Rev.0<br>Method. 14.1                                           | 0.1 % & above                                     |
| <b>4.</b>                                   | <b>Pepper whole</b>                                                                                                   | Light Berries                                                                                     | ASTA 2013, Rev.01<br>Method. 14.0                                          | 0.5 % to 10 %                                     |
| <b>5.</b>                                   | <b>Ground, flakes &amp;<br/>kibbled-Spices (Chilli,<br/>Turmeric, Coriander,<br/>Pepper, Cumin)</b>                   | Particle size analysis<br>Granulation profile<br>Retention & pass through<br>(0.106 mm to 4.0 mm) | ILTD/SB/QC 043 Ver.02<br>Issue Date. 10.05.2015                            | 0.1 % to 100 %                                    |
| <b>6.</b>                                   | <b>Ground, Flake and<br/>crushed spices</b>                                                                           | Bulk Density<br>Tapped Density                                                                    | ASTA 2013, Rev.03<br>Method. 25.1                                          | 200 GPL to 700 GPL                                |
|                                             |                                                                                                                       | Water activity                                                                                    | ILTD/SB/QC 050 Ver. 03<br>Issue Date 10.05.2015                            | 0 to 1.0 Units                                    |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
| <b>Certificate Number</b>     | <b>T-2037</b>                                                                                                      | <b>Valid Until</b> | <b>18.08.2017</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b>                                                                          | <b>Specific Test Performed</b> | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
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| 7.            | <b>Whole, Ground, flakes<br/>&amp; kibbled Spices<br/>(Chilli, Coriander,<br/>Turmeric, Pepper,<br/>Cumin)</b> | Total Ash                      | ASTA 1997, Rev.0<br>Method. 3.0                                            | 0.8 % to 12 %                                     |
|               |                                                                                                                | Acid insoluble ash             | ASTA 1997, Rev.0<br>Method. 4.0                                            | 0.1 % to 5 %                                      |
| 8.            | <b>Whole, Ground,<br/>flakes &amp; kibbled Spices<br/>(Chilli, Coriander,<br/>Pepper, Cumin)</b>               | Non-volatile ether extract     | IS 1797: 1985                                                              | 2 % to 40 %                                       |
| 9.            | <b>Whole, Ground, &amp;<br/>flakes Spices (Chilli)</b>                                                         | Crude fiber                    | IS 1797: 1985                                                              | 3 % to 35 %                                       |
|               |                                                                                                                | Capsaicin                      | ASTA 2004, Rev.0<br>Method. 21.3                                           | 1000 SHU to 400000 SHU                            |
|               |                                                                                                                | ASTA colour                    | ASTA 2004, Rev.0<br>Method. 20.1                                           | 10 to 250 ASTA                                    |
| 10.           | <b>Whole, Ground &amp;<br/>flakes Spices<br/>(Turmeric)</b>                                                    | Starch                         | IS 3576: 1994                                                              | 40 % to 70 %                                      |
|               |                                                                                                                | Chromate                       | IS 3576: 1994                                                              | Qualitative                                       |
| 11.           | <b>Whole, Ground &amp;<br/>kibbled spices<br/>(Turmeric)</b>                                                   | Curcumin                       | ASTA 2004, Rev. 0<br>Method. 18.0                                          | 0.5 % to 12 %                                     |
| 12.           | <b>Spices and Spices<br/>products</b>                                                                          | <b>Aflatoxins</b>              | ASTA 1997, Rev.0<br>Method. 24.2                                           |                                                   |
|               |                                                                                                                | B1                             |                                                                            | 0.5 µg/kg to 200 µg/kg                            |
|               |                                                                                                                | B2                             |                                                                            | 0.2 µg/kg to 200 µg/kg                            |

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| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
| <b>Certificate Number</b>     | <b>T-2037</b>                                                                                                      | <b>Valid Until</b> | <b>18.08.2017</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b> | <b>Specific Test Performed</b> | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------|---------------------------------------|--------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Spices and Spices<br/>products</b> | G1                             | ASTA 1997, Rev.0<br>Method. 24.2                                           | 0.5 µg/kg to 200 µg/kg                            |
|               |                                       | G2                             |                                                                            | 0.2 µg/kg to 200 µg/kg                            |
|               |                                       | Total                          |                                                                            | 0.5 µg/kg to 200 µg/kg                            |
|               |                                       | Ochratoxin – A                 | ILTD/SB/QC 049 Ver. 03<br>Issue date. 10.05.2015                           | 1.5 µg/kg to 30 µg/kg                             |
| <b>13.</b>    | <b>Cumin<br/>(Whole and Ground)</b>   | <b>Pesticide residues</b>      | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013                            | 0.05 mg/kg to 5 mg/kg                             |
|               |                                       | <b>Organophosphorus,</b>       |                                                                            |                                                   |
|               |                                       | <b>Organochlorine &amp;</b>    |                                                                            |                                                   |
|               |                                       | <b>Synthetic Pyrethroids</b>   |                                                                            |                                                   |
|               |                                       | Dichlorvos                     |                                                                            |                                                   |
|               |                                       | Mevinphos                      |                                                                            |                                                   |
|               |                                       | Ethoprop                       |                                                                            |                                                   |
|               |                                       | Diazinon                       |                                                                            |                                                   |
|               |                                       | Phosphamidon                   |                                                                            |                                                   |
|               |                                       | Parathion methyl               |                                                                            |                                                   |
|               |                                       | Fenchlorphos                   |                                                                            |                                                   |
|               |                                       | Malathion                      |                                                                            |                                                   |
|               |                                       | Chlorpyrifos                   |                                                                            |                                                   |
|               |                                       | Trichlorate                    |                                                                            |                                                   |
|               |                                       | Chlorfenvinphos cis            |                                                                            |                                                   |
|               |                                       | Chlorfenvinphos trans          |                                                                            |                                                   |
|               |                                       | Quinolphos                     |                                                                            |                                                   |
|               |                                       | Profenofos                     |                                                                            |                                                   |
|               |                                       | Ethion                         |                                                                            |                                                   |
|               |                                       | Triazophos                     |                                                                            |                                                   |
|               |                                       | Phosalone                      |                                                                            |                                                   |
|               |                                       | alpha BHC                      |                                                                            |                                                   |

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| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b> | <b>Specific Test Performed</b>                                                                                                                                                                                                                                                                                                                       | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Cumin<br/>(Whole and Ground)</b>   | delta BHC<br>Tefluthrin<br>Heptachlor<br>Dicofol<br>g.Chlordane<br>Endosulfan –I<br>4,4-DDE<br>Chlorfenapyr<br>Endosulfan II<br>Methoxychlor<br>Bifenthrin<br>Fenpropathrin<br>L.Cyhalothrin<br>Permethrin I & II<br>Cyfluthrin and Isomers<br>Cypermethrin and Isomers<br>Flucythrinate<br>Fenvalerate I & II<br>Fluvalinate I & II<br>Deltamethrin | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013                            | 0.05 mg/kg to 5 mg/kg                             |
|               |                                       | <b>Pesticide residues -<br/>Organophosphorus/<br/>Carbamates/Triazoles/<br/>Benzimidazole/<br/>Nicotinoids/Strobilurin</b><br>Acetamiprid<br>Carbendazim<br>Carbofuran                                                                                                                                                                               | ILTD/SB/QC 107 Ver. 01<br>Issue Date 10.03.2015                            | 0.05 mg/kg to 5.0 mg/kg                           |

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| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b>         | <b>Specific Test Performed</b>                                                                                                                                                                                                          | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Cumin<br/>(Whole, Ground)</b>              | Indoxacarb<br>Thiamethoxam<br>Azoxystrobin<br>Pyraclostrobin<br>Trifloxystrobin<br>Krisoxim Methyl<br>Methomyl<br>Imidacloprid<br>Metalaxyl M<br>Pirimicarb<br>Tebuconazole<br>Benalaxyl<br>Clothianidin<br>Monocrotophos<br>Dimethoate | ILTD/SB/QC 107 Ver. 01<br>Issue Date 10.03.2015                            | 0.05 mg/kg to 5.0 mg/kg                           |
| <b>14.</b>    | <b>Chilli (Whole, Ground,<br/>and flakes)</b> | <b>Pesticide residues –<br/>Organophosphorus,<br/>Organochlorine &amp;<br/>Synthetic Pyrethroids</b><br>Dichlorvos<br>Mevinphos<br>Ethoprop<br>Diazinon<br>Phosphamidon<br>Parathion methyl<br>Fenclorpos<br>Malathion<br>Chlorpyrifos  | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013                            | 0.05 mg/kg to 5 mg/kg                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b>         | <b>Specific Test Performed</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Chilli (Whole, Ground,<br/>and flakes)</b> | Trichlornate<br>Chlorfenvinphos cis<br>Chlorfenvinphos trans<br>Quinolphos<br>Profenofos<br>Ethion<br>Triazophos<br>Phosalone<br>alpha BHC<br>delta BHC<br>Tefluthrin<br>Heptachlor<br>Dicofol<br>g.Chlordane<br>Endosulfan –I<br>4,4-DDE<br>Chlorfenapyr<br>Endosulfan II<br>Methoxychlor<br>Bifenthrin<br>Fenpropathrin<br>L.Cyhalothrin<br>Permethrin I & II<br>Cyfluthrin and Isomers<br>Cypermethrin and Isomers<br>Flucythrinate<br>Fenvalerate I & II<br>Fluvalinate<br>Deltamethrin | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013                            | 0.05 mg/kg to 5 mg/kg                             |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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|---------------|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Chilli (Whole, Ground<br/>and flakes)</b> | <b>Pesticide residues -<br/>Organophosphorus/<br/>Carbamates/ Triazoles/<br/>Benzimidazole/<br/>Nicotinoids/Strobilurin</b><br><br>Acetamiprid<br>Carbendazim<br>Carbofuran<br>Indoxacarb<br>Thiamethoxam<br>Azoxystrobin<br>Pyraclostrobin<br>Trifloxystrobin<br>Krisoxim Methyl<br>Methomyl<br>Imidacloprid<br>Metalaxyl M<br>Pirimicarb<br>Tebuconazole<br>Benalaxyl<br>Clothianidin<br>Monocrotophos<br>Dimethoate | ILTD/SB/QC 107 Ver. 01 Issue<br>Date 10.03.2015                            | 0.100 mg/kg to 10.0 mg/kg                         |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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| <b>S. No.</b> | <b>Product /<br/>Material of Test</b>         | <b>Specific Test Performed</b>                                                     | <b>Test Method Specification<br/>against which tests are<br/>performed</b> | <b>Range of Testing /<br/>Limits of Detection</b> |
|---------------|-----------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
| 15.           | <b>Chilli, Cumin,<br/>Turmeric, Coriander</b> | <b>Heavy Metals</b><br>Lead<br>Cadmium<br>Arsenic<br>Mercury<br>Chromium<br>Nickel | ILTD/SB/QC 106 Ver. 01<br>Issue Date 10.03.2015                            | 0.5 mg/kg to 20 mg/kg                             |

**B. Tobacco and by-products**

|    |                                               |                                                                                                                                                                                                                                                                                                                                     |                                                 |                         |
|----|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------|
| 1. | <b>Tobacco (Whole,<br/>Ground and flakes)</b> | <b>Pesticide residues –<br/>Organophosphorus,<br/>Organochlorine &amp; Synthetic<br/>Pyrethroids</b><br>Dichlorvos<br>Mevinphos<br>Ethoprop<br>Diazinon<br>Phosphamidon<br>Parathion methyl<br>Fenchlorphos<br>Malathion<br>Chlorpyrifos<br>Trichlorate<br>Chlorfenvinphos cis<br>Chlorfenvinphos trans<br>Quinolphos<br>Profenofos | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013 | 0.100 mg/kg to 10 mg/kg |
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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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|---------------|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Tobacco (Whole,<br/>Ground and flakes)</b> | Ethion<br>Triazophos<br>Phosalone<br>alpha BHC<br>delta BHC<br>Tefluthrin<br>Heptachlor<br>Dicofol<br>g.Chlordane<br>Endosulfan –I<br>4,4-DDE<br>Chlorfenapyr<br>Endosulfan II<br>Methoxychlor<br>Bifenthrin<br>Fenpropathrin<br>L.Cyhalothrin<br>Permethrin I & II<br>Cyfluthrin and Isomers<br>Cypermethrin and Isomers<br>Flucythrinate<br>Fenvalerate I & II<br>Fluvalinate<br>Deltamethrin | ILTD/SB/QC 093 Ver. 01<br>Issue Date 15.10.2013                            | 0.100 mg/kg to 10 mg/kg                           |

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| <b>Accreditation Standard</b> | <b>ISO/IEC 17025: 2005</b>                                                                                         |                    |                   |
| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
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|---------------|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|---------------------------------------------------|
|               | <b>Tobacco (Whole,<br/>Ground and flakes)</b> | <b>Pesticide residues<br/>Organophosphorus/<br/>Carbamates/Triazoles/<br/>Benzimidazole/<br/>Nicotinoids/Strobilurin</b><br><br>Acetamiprid<br>Carbendazim<br>Carbofuran<br>Indoxacarb<br>Thiamethoxam<br>Azoxystrobin<br>Pyraclostrobin<br>Trifloxystrobin<br>Krisoxim Methyl<br>Methomyl<br>Imidacloprid<br>Metalaxyl M<br>Pirimicarb<br>Tebuconazole<br>Benalaxyl<br>Clothianidin<br>Monocrotophos<br>Dimethoate | ILTD/SB/QC 107 Ver. 01 Issue<br>Date 10.03.2015                            | 0.100 mg/kg to 10.0 mg/kg                         |

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| <b>Discipline</b>             | <b>Chemical Testing</b>                                                                                            | <b>Issue Date</b>  | <b>19.08.2015</b> |
| <b>Certificate Number</b>     | <b>T-2037</b>                                                                                                      | <b>Valid Until</b> | <b>18.08.2017</b> |
| <b>Last Amended on</b>        | <b>-</b>                                                                                                           | <b>Page</b>        | <b>11 of 11</b>   |

| S. No. | Product /<br>Material of Test | Specific Test Performed                                                            | Test Method Specification<br>against which tests are<br>performed | Range of Testing /<br>Limits of Detection |
|--------|-------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------|
| 2.     | Tobacco                       | <b>Heavy Metals</b><br>Lead<br>Cadmium<br>Arsenic<br>Mercury<br>Chromium<br>Nickel | ILTD/SB/QC 106 Ver. 01<br>Issue Date 10.03.2015                   | 0.5 mg/kg to 20 mg/kg                     |

-X-X-X-X-X-X-X-X-X-X-X-X-