



B 4, PATPARGANJ INDUSTRIAL AREA DELHI – 110092  
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**CERTIFICATE OF ANALYSIS**

| <b>BLACK CARDAMOM</b> |  |                     |   |   |
|-----------------------|--|---------------------|---|---|
| <b>S.No.</b>          | <b>Parameters</b>                            | <b>UOM</b>          | <b>Specifications</b>   | <b>Result</b>   |
| 1.1                   | Odor   | Sensory             | No off odour  | No off odour  |
| 1.2                   | Appearance                                   | Visual Observation  | It is dried nearly ripe fruit of bold having aromatic odour and blackish in colour. | It is dried nearly ripe fruit of bold having aromatic odour and blackish in colour. |
| 1.3                   | Foreign Matter organic                       | % w/w               | Nil   | Nil   |
| 1.4                   | Foreign Matter Inorganic                     | %w/w                | Nil   | Nil   |
| 1.5                   | Mold   | Visual Observations | Free from Mold  | Free from Mold  |
| 1.6                   | Living and dead Insect                       | Visual observations | Absent  | Absent  |
| 1.7                   | Insect fragments                             | Visual Observations | Absent  | Absent  |
| 1.8                   | Rodent Contamination                         | Visual observations | Absent  | Absent  |
| 1.9                   | Extraneous matter                            | % w/w               | NMT 1.0   | Nil   |
| 1.10                  | Insect damaged matter                        | % w/w               | NMT 1.0   | 0.06%   |
| 1.11                  | Empty and malformed capsules                 | By count %          | NMT 2.0   | 0.04%   |
| 1.12                  | Immature and shriveled capsules              | % w/w               | NMT 2.0   | 0.10%   |
| <b>2-Chemical</b>     |  |                     |   |   |
| 2.1                   | Adulteration-added color, harmful substances | Chemical Analysis   | Absent  | Absent  |
| 2.2                   | Moisture Content                             | % w/w               | NMT 12.0  | 6.86%   |
| 2.3                   | Acid insoluble ash on dry basis              | %w/w                | NMT 2.0   | 0.21%   |
| 2.4                   | Volatile Oil Content on dry basis            | % v/w               | NLT 1.0   | 4.88%   |

**Remarks:** The product **Black Cardamom** confirms the requirements of above parameters.