



# HETAKSH ESSENTIAL OILS

An ISO 9001:2015 and GMP Certified company

## CERTIFICATE OF ANALYSIS

**Product** : **Black Cumin Oil**  
**Lot No** : HEE-15112251  
**Mfg Date** : 15.11.22  
**Best before** : 14.11.24  
**Botanical Source** : Nigella Sativa  
**Extraction Process** : Cold Press

| TEST                        | STANDARD                                        | RESULT   |
|-----------------------------|-------------------------------------------------|----------|
| <b>Appearance</b>           | Fluid liquid.                                   | Complies |
| <b>Colour</b>               | Brownish yellow to deep brown.                  | Complies |
| <b>Odour &amp; Taste</b>    | Characteristic taste and odour.                 | Complies |
| <b>Solubility</b>           | Insoluble in Alcohol & water.                   | Complies |
| <b>Specific Gravity</b>     | 0.918 to 0.925                                  | 0.920    |
| <b>Refractive Index</b>     | 1.465 to 1.480                                  | 1.471    |
| <b>Saponification Value</b> | 180 to 200                                      | 190      |
| <b>Moisture</b>             | Less than 1%                                    | Complies |
| <b>Thymoquinone Content</b> | Min 1%                                          | 1.1%     |
| <b><u>Heavy Metals</u></b>  |                                                 |          |
| Total heavy metals          | Less than 10ppm                                 | Complies |
| Lead                        | Less than 1ppm                                  | Complies |
| Mercury                     | Less than 1ppm                                  | Complies |
| Arsenic                     | Less than 1ppm                                  | Complies |
| Cadmium                     | Less than 0.3 ppm                               | Complies |
| <b><u>Microbiology</u></b>  |                                                 |          |
| Total Bacterial Count       | Less than 100 cfu/g                             | Complies |
| Yeast & Molds               | Less than 10 cfu/g                              | Complies |
| Salmonella                  | Absent                                          | Complies |
| E-Coli                      | Absent                                          | Complies |
| Pseudomonas Aeruginosa      | Absent                                          | Complies |
| <b>Storage</b>              | In well fitted container in cool and dark place |          |

### CONTACT :

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