



PHYTOS

Phytos Natur CZ. s.r.o.

## TECHNICAL DATA SCHEET (TDS)

|                       |                            |
|-----------------------|----------------------------|
| <b>Product Name</b>   | <b>ANÝZ EO</b>             |
| <b>Botanical Name</b> | Pimpinella anisum          |
| <b>CAS #</b>          | 8007-70-3 ; 84775-42-8     |
| <b>FEMA #</b>         | 2094                       |
| <b>ENCIES #</b>       | 283-872-7                  |
| <b>INCI Name</b>      | Pimpinella Anisum Seed Oil |

|                            |                               |
|----------------------------|-------------------------------|
| <b>Part Used</b>           | Seeds                         |
| <b>Extraction Method</b>   | Steam Distilled Essential Oil |
| <b>Quality</b>             | 100 % Pure and Natural        |
| <b>Note Classification</b> | Top to Middle Note            |

| PROPERTIES                     | SPECIFICATIONS                                            |
|--------------------------------|-----------------------------------------------------------|
| <b>Appearance</b>              | Colorless to pale yellow liquid                           |
| <b>Odor</b>                    | Intensely spicy-sweet, characteristic licorice-like aroma |
| <b>Refractive Index</b>        | 1.550 - 1.561 @ 20°C                                      |
| <b>Specific Gravity (g/mL)</b> | 0.970 - 0.995 @ 20°C                                      |
| <b>Optical Rotation (°)</b>    | -26° to -6°                                               |
| <b>Solubility</b>              | Soluble in alcohols and fixed oils; Insoluble in water    |

| MICROBIAL ANALYSIS                        | SPECIFICATIONS | STANDARDS |
|-------------------------------------------|----------------|-----------|
| <b>Aerobic Mesophilic Bacterial Count</b> | < 100 CFU/g    | ISO 21149 |
| <b>Yeast and Mold</b>                     | < 10 CFU/g     | ISO 16212 |
| <b>Candida albicans</b>                   | ABSENT / 1g    | ISO 18416 |
| <b>Escherichia coli</b>                   | ABSENT / 1g    | ISO 21150 |
| <b>Pseudomonas aeruginosa</b>             | ABSENT / 1g    | ISO 22717 |
| <b>Staphylococcus aureus</b>              | ABSENT / 1g    | ISO 22718 |

| HEAVY METAL TESTS                 | SPECIFICATIONS | STANDARDS |
|-----------------------------------|----------------|-----------|
| <b>Lead: Pb (mg/kg or ppm)</b>    | < 10 ppm       | na        |
| <b>Arsenic: As (mg/kg or ppm)</b> | < 2 ppm        | na        |
| <b>Mercury: Hg (mg/kg or ppm)</b> | < 1 ppm        | na        |

### STABILITY AND STORAGE:

Keep in tightly closed container in a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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