

## Certificate of Analysis

Product: Peppermint Cornmint Oil  
Botanical Name: *Mentha arvensis*  
Plant part used: Leaves and lateral  
Extraction method: Steam Distilled

| <b>Physical data</b>     | <b><u>Specification</u></b> | <b><u>Result</u></b> |
|--------------------------|-----------------------------|----------------------|
| Appearance:              | Clear, mobile liquid        | Complies             |
| Colour:                  | Clear to Pale Yellow        | Complies             |
| Odour:                   | Characteristic mint         | Complies             |
| Specific Gravity @ 20°C: | 0.878 to 0.910              | 0.900                |
| Refractive Index @ 20°C: | 1.456 to 1.463              | 1.460                |
| Optical Rotation@ 20°C:  | - 40° to - 20°              | -35°                 |

### Chromatographic Profile

| <b>Sample</b>          | <b>Component</b>           | <b>Specification<br/>Peak Area (%)</b> | <b>Result<br/>Peak Area (%)</b> |
|------------------------|----------------------------|--|---------------------------------|
| <i>Mentha arvensis</i> | Menthone                   | 2.0 to 16.0                            | 6.5                             |
|                        | Iso-menthone + Neo Menthol | Trace to 20.0                          | 5.7                             |
|                        | Menthol                    | Min 50.0                               | 74.0                            |