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Certificate of Analysis

Product: **German Chamomile Essential Oil**
Botanical name: Matricaria chamomilla L., syn. Matricaria recutita
CAS #: 8002-66-2
Lot: 14075
Origin: Nepal
Manufacturing date: May 2018
Expiration date: May 2021

| Parameters | Specification | Results |
|---|--|----------|
| Colour | Deep blue or bluish green | Conforms |
| Odour | Herbaceous-coumarin-like with a fresh fruity undertone | Conforms |
| Specific gravity / (g/cm ³) _{25°C} | 0.8995- 0.9128 | 0.896 |
| Acid Value | 4-15.7 | 5.50 |
| Refractive index 25°C | 1.480-1.5055 | Conforms |
| Ester Value | Max. 40 | Conforms |
| Solubility | 1 + 10 in 96% alcohol | Conforms |

Main components

| | |
|---------------------------|--------|
| Farnesene | 39.23% |
| Bisabolol, alpha | 1.01% |
| Bisabolol-oxide, alpha, A | 3.07% |
| Chamazulene | 0.89% |

Storage:

Store in well-filled, tightly sealed containers, in a cool dry place, away from direct sunlight.
Avoid contact with iron.

This is computer generated certificates and does not require signature.