



## CERTIFICATE OF ANALYSIS (COA)

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### Product Information

| Parameter             | Specification                                                                    |
|-----------------------|----------------------------------------------------------------------------------|
| Product Name          | Vetiveryl Acetate                                                                |
| Botanical Source      | <i>Chrysopogon zizanioides</i> (L.) Roberty (Syn. <i>Vetiveria zizanioides</i> ) |
| INCI Name             | Vetiveria Zizanioides Root Oil Acetate                                           |
| CAS Number            | 84082-84-8                                                                       |
| EC Number             | 273-277-8                                                                        |
| Origin                | Indonesia                                                                        |
| Plant Part            | Roots                                                                            |
| Manufacturing Process | Acetylation of Natural Vetiver Oil Fractions                                     |
| Product Type          | Natural Vetiver Derivative                                                       |

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### ANALYTICAL SPECIFICATION

| Test                    | Specification                                                          | Result   |
|-------------------------|------------------------------------------------------------------------|----------|
| Appearance              | Clear viscous liquid                                                   | Conforms |
| Colour                  | Pale Amber to Amber Brown                                              | Conforms |
| Odour                   | Smooth woody, dry, earthy, elegant vetiver with soft acetate character | Conforms |
| Relative Density (20°C) | 0.980–1.020                                                            | Conforms |
| Refractive Index (20°C) | 1.500–1.525                                                            | Conforms |
| Flash Point             | >100°C                                                                 | Conforms |
| Acid Value              | ≤5.0 mg KOH/g                                                          | Conforms |
| Solubility              | Soluble in ethanol                                                     | Conforms |
| Purity                  | Natural Vetiveryl Acetate Fraction                                     | Conforms |

### Typical Constituents

| Constituent                       | Status                |
|-----------------------------------|-----------------------|
| Vetiveryl Acetate                 | Principal constituent |
| Khusimyl Acetate                  | Present               |
| Acetylated Sesquiterpene Alcohols | Present               |
| Minor Oxygenated Sesquiterpenes   | Present               |
| Trace Natural Vetiver Alcohols    | Present               |

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### **Storage**

Store in tightly sealed containers in a cool, dry place away from heat, direct sunlight and oxidising agents.

### **Shelf Life**

36 months from the date of manufacture when stored under recommended conditions.

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### **Conclusion**

This material conforms to the above specification.

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