

# Specification

Technical Data Sheet

|                                 |                                        |                                          |
|---------------------------------|----------------------------------------|------------------------------------------|
| <b>CAS</b><br><b>25486-55-9</b> | <b>STORAGE</b><br><b>-15 to -20 °C</b> | <b>MOLECULAR WEIGHT</b><br><b>466.70</b> |
|---------------------------------|----------------------------------------|------------------------------------------|

**PRODUCT****Vitamin K1 2,3-epoxide**

|                          |              |
|--------------------------|--------------|
| <b>Product number</b>    | 90026920     |
| <b>CAS number</b>        | 25486-55-9   |
| <b>Molecular formula</b> | C31H46O3     |
| <b>Molecular weight</b>  | 466.70 g/mol |

| PARAMETER                 | SPECIFICATION                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------|
| <b>Appearance</b>         | A clear intense yellow, viscous, oily liquid                                                      |
| <b>Assay</b>              | ≥98.0%                                                                                            |
| <b>Identification</b>     | A slight red colour indicates the presence of vitamin K Oxide.                                    |
| <b>Free Naphtoquinone</b> | ≤0.5%                                                                                             |
| <b>Impurities</b>         | Minerals: Determined by sulfuric ash determination                                                |
| <b>Solubility</b>         | Soluble in hexane, aliphatic and ether. Insoluble in water.<br>Practically insoluble in Methanol. |
| <b>UV Absorbance</b>      | 226nm                                                                                             |
| <b>Vitamin K1</b>         | ≤0.05%                                                                                            |
| <b>Menadione</b>          | ≤0.005%                                                                                           |

|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SPECIFICATION STATEMENT</b> | The values stated above represent the standard specification for this product, issued under <b>Molekula Ltd</b> 's quality management system. Batch-specific results are provided on the Certificate of Analysis. |
| <b>STORAGE</b>                 | Store as indicated on the product label, away from light, moisture and incompatible materials.                                                                                                                    |

Molekula Ltd would like to thank you for your support of our products and service.

Reg No 6879903    VAT GB 744 9721 05