

# Specification

Technical Data Sheet

|                                  |                                  |                                          |
|----------------------------------|----------------------------------|------------------------------------------|
| <b>CAS</b><br><b>122965-43-9</b> | <b>STORAGE</b><br><b>Ambient</b> | <b>MOLECULAR WEIGHT</b><br><b>319.85</b> |
|----------------------------------|----------------------------------|------------------------------------------|

**PRODUCT****Methylene blue hydrate**

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| <b>Product number</b>    | 90027331                                                               |
| <b>CAS number</b>        | 122965-43-9                                                            |
| <b>Molecular formula</b> | C <sub>16</sub> H <sub>18</sub> CIN <sub>3</sub> S · xH <sub>2</sub> O |
| <b>Molecular weight</b>  | 319.85 g/mol                                                           |

| PARAMETER                         | SPECIFICATION             |
|-----------------------------------|---------------------------|
| <b>Appearance</b>                 | Green crystalline powder  |
| <b>Assay</b>                      | ≥98.5%                    |
| <b>Loss on Drying</b>             | ≤15%                      |
| <b>Colour range of indicator</b>  | Conforms to specification |
| <b>Residue on Ignition</b>        | ≤0.5%                     |
| <b>Solubility test in ethanol</b> | Conforms to specification |

|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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.

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