

# Specification

Technical Data Sheet

|                                  |                                  |                                          |
|----------------------------------|----------------------------------|------------------------------------------|
| <b>CAS</b><br><b>165660-27-5</b> | <b>STORAGE</b><br><b>Ambient</b> | <b>MOLECULAR WEIGHT</b><br><b>598.49</b> |
|----------------------------------|----------------------------------|------------------------------------------|

**PRODUCT****Hydroxy naphthol blue disodium salt (C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>O<sub>11</sub>S<sub>3</sub>Na<sub>2</sub>)**

|                          |                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------|
| <b>Product number</b>    | 90030492                                                                                      |
| <b>CAS number</b>        | 165660-27-5                                                                                   |
| <b>Molecular formula</b> | C <sub>20</sub> H <sub>12</sub> N <sub>2</sub> O <sub>11</sub> S <sub>3</sub> Na <sub>2</sub> |
| <b>Molecular weight</b>  | 598.49 g/mol                                                                                  |

| PARAMETER                     | SPECIFICATION                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------|
| <b>Appearance</b>             | Dark blue powder or crystals                                                                   |
| <b>Loss on Drying</b>         | ≤ 6.0%                                                                                         |
| <b>Absorptivity</b>           | 350 - 500, 1%/ 1cm in ammonia buffer pH 12.0 +2ml 0.05 M.E.T.D.A at λ <sub>max</sub> . 648.0nm |
| <b>Identification (RAMAN)</b> | Conforms to Reference                                                                          |

|                                |                                                                                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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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