

# Specification

Technical Data Sheet

|                                |                                  |                                         |
|--------------------------------|----------------------------------|-----------------------------------------|
| <b>CAS</b><br><b>1310-66-3</b> | <b>STORAGE</b><br><b>Ambient</b> | <b>MOLECULAR WEIGHT</b><br><b>41.96</b> |
|--------------------------------|----------------------------------|-----------------------------------------|

**PRODUCT****Lithium hydroxide monohydrate ACS Grade**

|                          |                                       |
|--------------------------|---------------------------------------|
| <b>Product number</b>    | 90035360                              |
| <b>CAS number</b>        | 1310-66-3                             |
| <b>Molecular formula</b> | H <sub>2</sub> LiO · H <sub>2</sub> O |
| <b>Molecular weight</b>  | 41.96 g/mol                           |

| PARAMETER                                               | SPECIFICATION         |
|---------------------------------------------------------|-----------------------|
| <b>Appearance</b>                                       | Solid                 |
| <b>Assay</b>                                            | ≥98%                  |
| <b>Heavy metals</b>                                     | ≤0.002%               |
| <b>Bulk density</b>                                     | 0.9 g/cm <sup>3</sup> |
| <b>Chloride (Cl<sup>-</sup>)</b>                        | ≤0.01%                |
| <b>Insolubles</b>                                       | ≤0.01%                |
| <b>Iron (Fe)</b>                                        | ≤0.002%               |
| <b>Lithium carbonate (Li<sub>2</sub>CO<sub>3</sub>)</b> | ≤2.0%                 |
| <b>Water Solubility @20°C wt % (as LiOH)</b>            | 10.9 typical          |
| <b>Sulphates (SO<sub>4</sub>)(2<sup>-</sup>)</b>        | ≤0.05%                |

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