

# Specification

Technical Data Sheet

**CAS****25102-12-9****STORAGE****Ambient****MOLECULAR WEIGHT****404.45****PRODUCT****EDTA dipotassium salt dihydrate TC**

|                          |                                                 |
|--------------------------|-------------------------------------------------|
| <b>Product number</b>    | 90035392                                        |
| <b>CAS number</b>        | 25102-12-9                                      |
| <b>Molecular formula</b> | $C_2H_4N_2(CH_2COOH)_2(CH_2COOK)_2 \cdot 2H_2O$ |
| <b>Molecular weight</b>  | 404.45 g/mol                                    |

**PARAMETER****SPECIFICATION**

|                                       |                                                |
|---------------------------------------|------------------------------------------------|
| <b>Appearance</b>                     | Fine crystalline white powder                  |
| <b>Assay</b>                          | $\geq 98.0\%$                                  |
| <b>Heavy metals</b>                   | $\leq 0.0005\%$                                |
| <b>Chloride (Cl-)</b>                 | $\leq 0.005\%$                                 |
| <b>Iron (Fe)</b>                      | $\leq 0.005\%$                                 |
| <b>Solubility</b>                     | Soluble in water at 1%, forms a clear solution |
| <b>Water insoluble matter</b>         | $\leq 0.005\%$                                 |
| <b>Copper (Cu)</b>                    | $\leq 0.0005\%$                                |
| <b>pH (5% aq. sol.)</b>               | 4.0 - 5.0                                      |
| <b>Sodium (Na)</b>                    | $< 0.15\%$                                     |
| <b>Sulphates (SO<sub>4</sub>)(2-)</b> | $\leq 0.005\%$                                 |

**SPECIFICATION  
STATEMENT**

The values stated above represent the standard specification for this product, issued under **Molekula Ltd**'s quality management system. Batch-specific results are provided on the Certificate of Analysis.

**STORAGE**

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.

This document was computer generated and therefore does not require a signature

