

# Specification

Technical Data Sheet

|                                |                                  |                                       |
|--------------------------------|----------------------------------|---------------------------------------|
| <b>CAS</b><br><b>1185-57-5</b> | <b>STORAGE</b><br><b>Ambient</b> | <b>MOLECULAR WEIGHT</b><br><b>N/A</b> |
|--------------------------------|----------------------------------|---------------------------------------|

**PRODUCT****Ammonium iron (III) citrate (Brown)**

|                          |                                        |
|--------------------------|----------------------------------------|
| <b>Product number</b>    | 90021908                               |
| <b>CAS number</b>        | 1185-57-5                              |
| <b>Molecular formula</b> | $C_6H_8O_7 \cdot xFe^{3+} \cdot yNH_3$ |
| <b>Molecular weight</b>  | N/A g/mol                              |

| PARAMETER                             | SPECIFICATION          |
|---------------------------------------|------------------------|
| <b>Appearance</b>                     | Brown powder/ granules |
| <b>Assay</b>                          | 16.5 - 18.5%           |
| <b>pH (5% solution)</b>               | 5.0 - 8.0              |
| <b>Total aerobic plate count</b>      | $\leq 1000$ cfu/g      |
| <b>Total Coliforms</b>                | Negative               |
| <b>ID Test A,B,C</b>                  | Pass                   |
| <b>Lead (Pb)</b>                      | $\leq 2$ ppm           |
| <b>Mercury (Hg)</b>                   | $\leq 1$ ppm           |
| <b>Mould &amp; Yeast</b>              | $\leq 100$ cfu/g       |
| <b>Sulphates (SO<sub>4</sub>)(2-)</b> | $\leq 0.3\%$           |

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