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# Specification

## Technical Data Sheet

|                            |                     |
|----------------------------|---------------------|
| <b>Product Name</b>        | N-Acetyl-L-cysteine |
| <b>Product No</b>          | 11557293            |
| <b>CAS Number</b>          | 616-91-1            |
| <b>Storage Temperature</b> | 2 to 8 °C           |
| <b>Molecular Weight</b>    | 163.1949            |

|                            | <b>Specification</b>     |
|----------------------------|--------------------------|
| <b>Melting Point</b>       | 106 - 112°C              |
| <b>Specific rotation</b>   | +21° - +25°              |
| <b>Heavy metals</b>        | <10ppm                   |
| <b>Arsenic</b>             | <1ppm                    |
| <b>pH</b>                  | 2.0 - 2.8                |
| <b>Loss on Drying</b>      | max 1.0%                 |
| <b>Sulfate</b>             | <0.03%                   |
| <b>Assay</b>               | 98% min                  |
| <b>Iron</b>                | <20ppm                   |
| <b>Residue on Ignition</b> | max .5%                  |
| <b>Ammonium</b>            | <0.02%                   |
| <b>Cl</b>                  | <0.04%                   |
| <b>Appearance</b>          | White crystalline powder |
| <b>State of Solution</b>   | >98%                     |