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# Specification

Technical Data Sheet

| CAS | SPECIFICATION | STORAGE | MOLECULAR WEIGHT |
|---|---|---|---|
| **107-43-7** | **v1 · 06 Oct 2026** | **Ambient** | **117.15** |

PRODUCT

## Betaine anhydrous

| | |
|---|---|
| **Product number** | 25139192 |
| **CAS number** | 107-43-7 |
| **Molecular formula** | (CH3)3N+CH2COO- |
| **Molecular weight** | 117.15 g/mol |

| PARAMETER | SPECIFICATION |
|---|---|
| **Appearance** | White to off-white crystalline powder |
| **Assay** | ≥97% |
| **Ash** | ≤3% |
| **Heavy metals** | ≤0.001% |
| **Loss on Drying** | ≤2% |
| **Appearance of Solution** | Clear and colourless |
| **Chloride (Cl-)** | ≤0.2% |
| **Arsenic (As)** | ≤0.0002% |
| **Identification (IR)** | Conforms to structure |
| **Water (KF)** | <1.0% |

| | |
|---|---|
| **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.
Reg No 6879903 VAT GB 744 9721 05

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