

## SPECIFICATION

### Calcium Propionate

| Parameters        | Specification                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------|
| CAS Number        | 4075-81-4                                                                                       |
| Appearance        | White crystalline powder                                                                        |
| Molecular Formula | C <sub>6</sub> H <sub>10</sub> CaO <sub>4</sub>                                                 |
| Molecular Weight  | 186.22 g/mol                                                                                    |
| Boiling Point     | 580 °C                                                                                          |
| Melting Point     | 170 °C                                                                                          |
| Flash Point       | 220 °C                                                                                          |
| Purity            | 98–99%                                                                                          |
| Refractive Index  | 1.43                                                                                            |
| Solubility        | Soluble in water; soluble in ethanol                                                            |
| Uses              | Food preservative and mold inhibitor; used in bread, dairy, and baked goods; extends shelf life |

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