

## SPECIFICATION

### Monosodium Glutamate Anhydrous

| Parameters        | Specification                                                                 |
|-------------------|-------------------------------------------------------------------------------|
| CAS Number        | 142-47-2                                                                      |
| Appearance        | White crystalline powder                                                      |
| Molecular Formula | C <sub>5</sub> H <sub>10</sub> NNaO <sub>5</sub>                              |
| Molecular Weight  | 169.11 g/mol                                                                  |
| Boiling Point     | 300 °C                                                                        |
| Melting Point     | 232 °C                                                                        |
| Flash Point       | 315 °C                                                                        |
| Purity            | 98–99%                                                                        |
| Refractive Index  | 1.53                                                                          |
| Solubility        | Soluble in water; slightly soluble in ethanol                                 |
| Uses              | Flavor enhancer; umami additive used in seasonings, soups and processed foods |

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