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# SPECIFICATION SHEET

## Magnesium Malate 20% Magnesium

| | | | |
|---|---|---|---|
| **Product Name** | Magnesium Malate | **Country of Origin** | China |
| **Molecular Formula** | Not applicable | **Molecular Weight** | Not applicable |

| Test Item | Specification | Test Method |
|---|---|---|
| Appearance | White or off-white powder | Visual |
| Odor & Taste | Characteristic | Organoleptic |
| Magnesium (on dried basis) | ≥ 20.0% | Titration |
| Identification | Correspond to the RS | TLC |
| Particle Size | NLT 90% through 80 mesh | USP <786> |
| Loss on Drying | ≤ 20.0% | USP <731> |
| Total Heavy Metals | ≤ 10 ppm | USP <231> Method II |
| Lead (Pb) | ≤ 2.0 ppm | ICP-MS |
| Arsenic (As) | ≤ 2.0 ppm | ICP-MS |
| Cadmium (Cd) | ≤ 0.5 ppm | ICP-MS |
| Mercury (Hg) | ≤ 0.1 ppm | ICP-MS |
| Aerobic Bacterial Count | ≤ 1,000 cfu/g | USP <2021> |
| Total Yeast & Mold | ≤ 100 cfu/g | USP <2021> |
| Escherichia Coli | Negative | USP <2022> |
| Salmonella | Negative | USP <2022> |
| Staphylococcus | Negative | USP <2022> |

**Storage:** Store in tightly sealed and preferably full containers in cool, dry and ventilated area.

**Shelf Life:** 24 months under above conditions, and kept in its unopened original packaging.

Prepared by: Mia Yu  Approved by: Charlie Wang  Date: Nov. 19, 2026