

Certificate of Analysis

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| Product Name | Maltobionic Acid | Mfg. Date | 2020.10.30 |
| Batch No. | KN520103001 | Testing Date | 2020.10.31 |
| CAS No. | 534-42-9 | Exp. Date | 2022.10.29 |

| Items | Specifications | Results |
|-------------------------------|--|--------------------------|
| Appearance | White or almost white crystalline powder | White crystalline powder |
| Clarity (10% aq. solution) | Clear | Clear |
| Color (10% aq. solution) | Report result | <30 APHA |
| Water content | ≤5.0% | 4.00% |
| Total Ash | ≤0.3% | 0.14% |
| PH (10% aq. solution) | 1.0-3.0 | 2.3 |
| Chloride | ≤400ppm | <400ppm |
| Sulfate | ≤400ppm | <400ppm |
| Heavy metals | ≤10ppm | <10ppm |
| Assay(titration) | ≥95.0% | 98.20% |
| Total aerobic microbial count | ≤100cfu/g | <10cfu/g |
| Total Yeast & Mold | ≤100cfu/g | <10cfu/g |
| Pseudomonas aeruginosa | Negative | Not detected |
| Conclusion: | The product complies with Enterprise Standard. | |

