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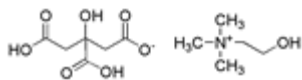
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications



| | |
|--------------------------|---|
| Catalogue Number | 01440 |
| Product | Choline dihydrogenecitrate salt (2-Hydroxyethyl)trimethylammonium citrate |
| CAS Number | 77-91-8 |
| Molecular Formula | C ₁₁ H ₂₁ NO ₈ |
| Molecular Weight | 295.3 |

| | |
|------------------------------------|---|
| Appearance | White crystal powder |
| Melting Point | 103.0 - 107.5 °C |
| Heavy Metals | ≤ 10 mg/kg |
| Cation | Lead (Pb) : ≤ 2 mg/kg Arsenic (As) : ≤ 1 mg/kg Mercury (Hg) : ≤ 0.1 mg/kg Cadmium (Cd) : ≤ 1 mg/kg |
| Water Content (Karl Fisher) | ≤ 0.25% |
| pH | 3.5 - 4.5 |
| Yeast and Mold | ≤ 100 cfu/g |
| E. Coli | Negative |
| Microbial Count | ≤ 1000 cfu/g (TPC) |
| Salmonella | Negative |
| Staphylococcus Aureus | Absent in 1 g |
| Particle Size | 100% thr' 20 mesh |
| Residue On Ignition | ≤ 0.05% |
| Assay by titration | ≥ 99% (on dry basis) |
| Storage | Store at 0 - 8 °C |
| Additional Information | Bile tolerant gram negative bacteria : ≤ 100 cfu/g |

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For Laboratory Use Only