



SUPERIOR QUALITY - ETHICALLY SOURCED

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CERTIFICATE OF ANALYSIS

| | | | |
|--------------------------|--|-------------------------|----------|
| Product Name | Sodium Ascorbyl Phosphate | | |
| CAS Number | 66170-10-3 | | |
| Synonyms | 2-Phospho-L-ascorbic Acid Trisodium Salt | | |
| Molecular Formula | C ₆ H ₆ O ₉ Na ₃ P | Molecular Weight | 322.05 |
| Batch Number | 20221209 | Manufacture Date | 20221209 |
| Report Date | 20221209 | Expiry Date | 20241208 |

| Item of Analysis | Specification | Results | Test Methods |
|---------------------------------|---------------------|----------|-------------------|
| ASSAY | 99 % | 99.5% | HPLC |
| VITAMIN C | 45.0 % | 47% | HPLC |
| Free ascorbic acid | 0.5% | Conform | HPLC |
| pH (3% SOLUTION IN WATER) | 8-10 | 9.2 | USP |
| Organoleptic | | | |
| Appearance | Powder | Conforms | Organoleptic |
| Color | White powder | Conforms | Organoleptic |
| Solubility | Clear And Colorless | Conforms | CP2010 |
| Physical Characteristics | | | |
| Free phosphone acid | 1% | 0.82% | USP |
| Chlonde | 0.35% | 0.3% | USP |
| Heavy metals | | | |
| Total Heavy Metals | 10ppm Max | Conform | USP<231>method II |
| Lead (Pb) | 2ppm NMT | Conform | ICP-MS |
| Cadmium (Cd) | 2ppm NMT | Conform | ICP-MS |
| Mercury (Hg) | 0.5ppm NMT | Conform | ICP-MS |
| Microbiological Tests | | | |
| Total Plate Count | 3000cfu/g Max | Conform | USP<61> |
| Yeast & Mold | 1000cfu/g Max | Conform | USP<61> |
| E. Coli. | Negative | Conform | USP<61> |
| Salmonella | Negative | Conform | USP<61> |
| Staphylococcus | Negative | Conform | USP<61> |

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat. Shelf Life: 24 months if store under the conditions above and stay in original packaging.