

TEST REPORT

Name of the material : Calcium -D-Saccharate USP
Synonym : Calcium -D-Glucarate USP
Name of the manufacturer : Self
Quantity : 25gm
Tested according to : U. S. P

| PARTICULARS | SPECIFICATION | RESULT |
|-------------------------------|--|--------------|
| Description | A white odourless powder | Complies |
| Identification | Test positive for Calcium & Saccharate | Complies |
| Solubility | U.S.P | Complies |
| Sp Rotation | 18.5° to 22.5 ° | 20.6° |
| Chloride | ≤ 700 ppm | < 700 ppm |
| Sulphate | ≤ 1200 ppm | < 1200 ppm |
| Heavy metals | NMT 20 ppm | Within limit |
| Sucrose/ reducing sugar | U.S.P | Complies |
| Organic volatile Impurities | Should meet the requirement | Complies |
| Assay | 98.5% to 102% | 100.10% |
| Additional Tests: - | | |
| Arsenic | NMT 3 ppm | < 3 ppm |
| Cadmium | NMT 1 ppm | <1 ppm |
| Lead | NMT 0.3 ppm | < 0.3 ppm |
| Mercury | NMT 1 ppm | <1 ppm |
| Calcium Content | 12.4% to 12.8% | 12.60% |
| Water Content | About 22.51 % | 22.51% |
| Bulk Density :- | | |
| Untapped Density | Min 0.4 gm/ml | 0.60 gm/ml |
| Tapped Density | Min 0. gm/ml | 0.70 gm/ml |
| Microbiology :- | | |
| Total aerobic microbial count | 2000 cfu/gm (As per USP Chapter 61) | 120 cfu / gm |
| Yeast & Mould | 200 cfu/gm (As per USP Chapter 61) | < 10 cfu/gm |
| E. Coli | Absent / gm (As per USP Chapter 62) | Absent |
| Staphylococcus aureus | Absent / gm (As per USP Chapter 62) | Absent |

| | | |
|------------------------|-------------------------------------|--------|
| Pseudomonas aeruginosa | Absent / gm (As per USP Chapter 62) | Absent |
| Salmonella Sp | Absent / gm (As per USP Chapter 62) | Absent |
| | | |

Remarks : The Sample passes with respect to above tests.

