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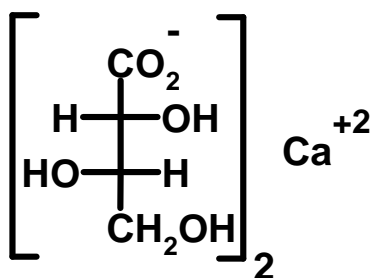
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## Product Specifications

### Calcium L-Threonate

CAS 70753-61-6

Structure:



Mol. Formula  
Source

$\text{C}_4\text{H}_8\text{O}_5$   
Synthetic

Mol. Wt.

310.28

| <i>Test</i>                                  | <i>Specification</i>   |
|--|--|
| Appearance                                   | White powder   |
| Assay  | $\geq 98.5\%$ (typically $> 99\%$ )                              |
| Sp. Rot., $[\alpha]_D$                       | $+12.0^\circ$ to $+14.3^\circ$ ( $c = 1.0, \text{H}_2\text{O}$ ) |
| Water Insolubles                             | $\leq 0.1\%$   |
| LOD  | $< 1\%$  |
| Heavy metals                                 | $< 10$ ppm   |
| As   | $< 2.0$ ppm  |
| pH   | 5.8-7.0  |
| <b><u>Microbiological Specifications</u></b> |  |
| Total plate count (CFU/g)                    | $< 100$  |
| <i>E. Coli</i>                               | Negative   |
| <i>Salmonella</i>                            | Negative   |
| Mold and Yeast (CFU/g)                       | $< 100$  |

*Storage:* Maintain in cool, dry containment.