



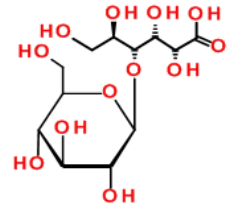
Maltobionic Acid

Product Code: 534429

CAS No.: 534-42-9

Grade: non-GMP

Synonym(s): 4-O- α -D-Glucopyranosyl-D-gluconic Acid



Mol. Formula: C₁₂H₂₂O₁₂

Mol. Wt.: 358.30

Source: Synthetic

Lot No.:

Grouping

Analytical Test

Specification

Appearance

White to off-white to pale yellow microcryst. solid

Purity (titration)

95%

pH

1.0 – 3.0

Heavy metals

10 ppm

LOD

5%

Water Solubility

Freely soluble

Sulfate (SO₄)

400 ppm

Chloride (Cl)

400 ppm

Clarity

Clear (10% aq. solution)

Color Test

Report result (10% aq. solution)

Microbiological Specifications

Total Aerobic (CFU/g)

10 cfu/g

Pseudomonas aeruginosa

none detected

Staphylococcus aureus

none detected

Mold and Yeast (CFU/g)

10 cfu/g

Manufacturing and Regulatory Data

Date of Manufacture

Retest Date

2 Years