

# QUALITY SPECIFICATION

## Tannic acid

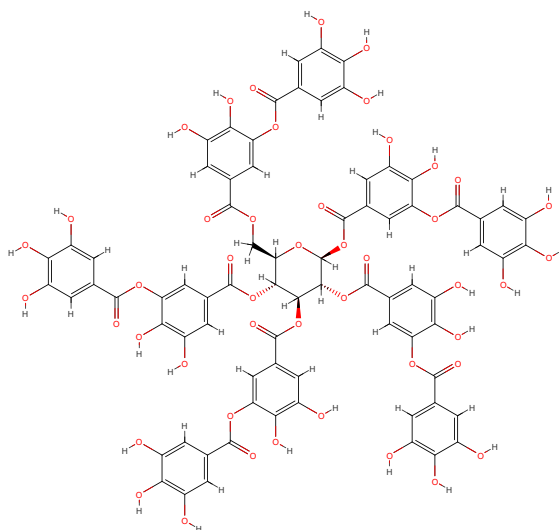
Catalog No.: NST-10-143

CAS No.: 1401-55-4

Molecular formula:  $C_{76}H_{52}O_{46}$

MW: 1701.19

Shelf life: 2 years



| No. | Parameter                        | Specification | Method           |
|-----|----------------------------------|---------------|------------------|
| 1.  | Appearance                       | Powder        | Visual           |
| 2.  | Color                            | Light brown   | Visual           |
| 3.  | Assay                            | ≥98.0 %       | GB 1886.303-2021 |
| 4.  | Gum or dextrin test              | Up to grade   | Visual           |
| 5.  | Residue on ignition              | ≤1.0 %        | GB 1886.303-2021 |
| 6.  | Loss on drying                   | ≤9.0 %        | GB 1886.303-2021 |
| 7.  | Solvent residues (ethyl acetate) | ≤25 ppm       | GB 1886.303-2021 |
| 8.  | Heavy Metals                     | ≤10 ppm       | ICP-MS           |
| 9.  | Lead                             | ≤2 ppm        | ICP-MS           |
| 10. | Arsenic                          | ≤1 ppm        | ICP-MS           |
| 11. | Mercury                          | ≤0.1 ppm      | ICP-MS           |
| 12. | Cadmium                          | ≤1 ppm        | ICP-MS           |

Storage: store in a cool and dry place, keep away from strong light and heat.

Stability: 24 months when properly stored