

# Antioxidant ZX-3114 Product Instruction Manual

## Product Description:

Product Name: 1,3,5-tris(3,5-di-tert-butyl, 4-hydroxybenzyl)trithazine, 2,4,6-(1H,3H,5H)

riketone Molecular Formula:  $C_{48}H_{69}N_3O_6$

Average molecular weight: 784.1

CASNo.: 27676-62-6

## Product Technical Specifications:

| Project              | Metric                                | Project             |       | Metric  |
|----------------------|---------------------------------------|---------------------|-------|---------|
| Surface              | The white powder hasn't been used yet | Light transmittance | 425nm | ≥95. 0% |
| Melting point        | 218℃-225. 5℃                          |                     | 500nm | ≥97. 0% |
| Ash content          | ≤0. 05%                               | Fineness            |       | ≥98. 0% |
| Fugitive constituent | ≤0. 3%                                |                     |       |         |

## Product use :

Antioxidant 3114 is a tri-functional hindered phenolic antioxidant characterized by being non-polluting and colorless. As a polymer-based antioxidant, it exhibits advantages such as low migration tendency, poor sublimation tendency, and excellent resistance to water extraction, making it a highly effective antioxidant. It is suitable for use in ABS resins, polyester, nylon, polyethylene, polypropylene, polystyrene, polyvinyl chloride, polyurethane, cellulose plastics, and synthetic rubber. When combined with UV absorbers or phosphite esters, it demonstrates synergistic effects that further enhance photothermal stability. Recommended dosage: 0.1%–0.25%.

## Product packaging

The packaging consists of kraft paper bags lined with PE plastic bags, each weighing 25 kg net.

## Product Shelf Life

The product has a shelf life of 18 months.