

# BP-1910

**Product Name:** Bio-Plasticizer (BP-1910)

**H.S. CODE:** 381220

## Technical Specification

| STANDARD ITEM                    | STANDARD                          | TYPICAL RESULT                    | TEST METHOD           |
|----------------------------------|-----------------------------------|-----------------------------------|-----------------------|
| Appearance                       | Transparent liquid<br>oily liquid | Transparent liquid<br>oily liquid | via naked eye         |
| Colour Shade, Pt-Co , # , ≤      | 50                                | 20                                | GB/T 1664- 1995       |
| Density ,20°C, g/cm <sup>3</sup> | 1.26±0.02                         | 1. 26                             | GBT4472-2011          |
| Acid Value, mg KOH/g ≤           | 0.4                               | 0. 20                             | Q/JAHB-JLD800-18-2021 |
| Viscosity(50°C)mpas              | 220-280                           | 220                               | GB/T 1660-2008        |
| Moisture, % ≤                    | 0.2                               | 0.07                              | GB/T 6283-2008        |
| Biobased Content, % ≥            | 90                                | 96                                | GBT39715.1-2021       |

**Performance and characteristics:** BP-1910 is a colorless, transparent liquid that is insoluble in water, offering excellent compatibility with PVC, flame retardant properties, and effective antibacterial benefits. Compared to conventional fossil-based MCCPs and LCCPs, it delivers superior plasticizing efficiency, precipitation resistance, and mechanical properties, addressing the precipitation issues encountered when medium and long-chain chlorinated paraffins are used with DOTP. The environmental profile of this product surpasses that of long-chain chlorinated paraffins. As a bio-based plasticizer with 96% bio-carbon content, it is degradable and compliant with EU REACH, ROHS, and 16 environmental regulations, including phthalates, making it suitable for EU export standards.

## Application:

It can be used to partially or fully replace the primary plasticizer and is widely applicable in PVC foam leather, PVC membranes, plastic runway adhesives, sound insulation materials, conveyor belts, thermal insulation products, and wires and cables. Additionally, it serves as a flame retardant for rubber and plastics, a surfactant, a paint additive, and a plasticizer for polyurethane, polyester, waterproof coatings, polyolefins, and styrene-butadiene rubber, among others.