

BP- 1904

Product Name: Bio-Plasticizer (BP- 1904)

H.S. CODE: 381220

BP- 1904 is a highly efficient plasticizer derived from plant oils, with a bio-carbon content of 95%. It serves as an excellent alternative to DOTP, DOP, and DINP in various PVC applications

Technical Index

| STANDARD ITEM | INDEX | RESULT | TEST METHOD |
|----------------------------------|-------------|--------|-----------------------|
| Colour, Pt-Co , # , ≤ | 50 | 20 | GB/T 1664- 1995 |
| Density ,20°C, g/cm ³ | 1. 12±0 .02 | 1. 125 | GB/T 4472-2011 |
| Acidity, mg KOH/g ≤ | 0.4 | 0. 22 | Q/JAHB-JLD800-18-2021 |
| Moisture, % ≤ | 0.2 | 0.07 | GB/T 6283-2008 |
| Flash Point, deg.C ≥ | 200 | 207 | GB/T 1671-2008 |
| Biobased Carbon Content % ≥ | 90 | 95 | GBT39715.1-2021 |

Performance and characteristics: It is a colorless, transparent liquid that is insoluble in water. The product offers antibacterial and flame retardant properties, excellent compatibility with PVC, and superior plasticizing efficiency and precipitation resistance compared to DOTP. Bio-based with 95% biocarbon content, it is degradable, environmentally friendly, and non-toxic. SGS testing confirms that it is free from heavy metals and benzene, and it passes the SVHC test, meeting EU export standards.

Application:

BP-1904 can be used as a bio-based primary plasticizer or blended with other primary plasticizers. It is ideal for applications such as PVC elastic flooring, toy films, calendered films, lightbox fabric, waterproof materials, PVC artificial leather, cable components, and fire hoses. Additionally, it can be utilized in products made from polyurethane, polyvinyl acetate, neoprene, nitrile rubber, and more.