

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.