



BP-2501

Product Name: Bio-Plasticizer (BP-2501)

H.S. CODE: 381220

BP-2501 is a bio-based, highly efficient plasticizer with a bio-carbon content of 60%. It is phthalate-free, free from benzene rings, and serves as an excellent alternative to DOTP, DOP, and DINP in various PVC applications. Non-toxic and eco-friendly, BP-2501 provides a sustainable solution for plasticization needs.

Technical Index

STANDARD ITEM	INDEX	TYPICAL RESULT	TEST METHOD
Appearance	Transparent oily liquid	Transparent oily liquid	By eye
Colour, Pt-Co , # , ≤	50	12	GBT1664- 1995
Density ,20°C, g/cm ³	1. 034±0 .02	1. 034	GBT4472-2011
Acidity, mg KOH/g ≤	0.3	0. 14	Q/JAHB-JLD800-18-2021
Moisture, % ≤	0.2	0.07	GBT1669-2001
Flash Point,vdeg.C ≥	200	210	GBT1671-2008

Performance and characteristics: It is a colorless, transparent liquid that is insoluble in water. The product possesses antibacterial and flame retardant properties and offers excellent compatibility with PVC. Its plasticizing efficiency and resistance to precipitation surpass that of DOTP. Bio-based with 60% biocarbon content, it is degradable, environmentally friendly, and non-toxic. SGS testing has confirmed that it is free of heavy metals and benzene, and it passes the SVHC test, meeting EU export requirements.

Application:

BP-2501 serves as a bio-based primary plasticizer and can also be blended with other plasticizers. It is ideal for applications such as PVC elastic flooring, LVT flooring, toy films, calendered films, lightbox fabric, raincloth, PVC artificial leather, cable materials, and fire hoses. Additionally, it can be used in products made from polyurethane, polyvinyl acetate, neoprene, nitrile rubber, and more.