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Typical Product Specifications & Properties

Potassium Dibenzylphosphate

CAS Number: : 78543-37-0

Specifications	Limits
Mono-benzyl phosphate	0.3% max
Benzyl alcohol	0.5% max
Toluene	0.5% max
Appearance	free flowing crystalline solid
Assay	96.0% min
Loss on Drying	0.5% max
Water	2.0% max
Melting Point	207C
Molecular weight	316.43
pH	6.4, 5% in water
Thermal Decomposition	142C initial onset
Water solubility	totally soluble



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Specifications	Limits
Chemical Structure	<p>The chemical structure shows a central phosphorus atom (P) double-bonded to an oxygen atom (O) and single-bonded to two negatively charged oxygen atoms (O⁻). One of the negatively charged oxygen atoms is associated with a potassium ion (K⁺). The phosphorus atom is also single-bonded to two oxygen atoms, each of which is further bonded to a benzene ring (C₆H₅).</p>



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