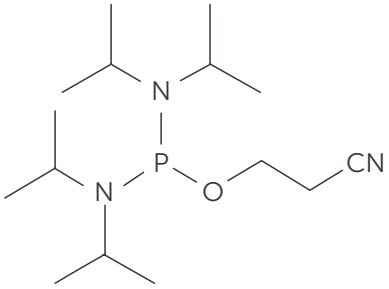
Ultra-Pure PHOS Reagents

Purity Protected. Performance Delivered.

Entegris delivers ultra-pure phosphitylating and phosphorylating reagents in NOWPak® advanced packaging solutions that safeguard material integrity and simplify handling from production to point of use.

The combination of industry-leading PHOS chemistry and proven NOWPak technology helps customers maintain purity, reduce operational complexity, and achieve reliable process performance across the entire reagent lifecycle.



2-Cyanoethyl-N,N,N',N'-tetraisopropyl-phosphorodiamidite
CAS number: 102691-36-1





FILL

Ultra-pure PHOS reagents are filled into a protected NOWPak container system.



SHIP

Robust packaging safeguards materials during transportation.



STORE

Store at ambient temperature without cold storage requirements, according to reagent specifications.



CONNECT

Simple point-of-use connection minimizes operator exposure and handling steps.



DISPENSE

Closed delivery pathway helps preserve purity while enabling reliable reagent delivery to process tools.

Pure. Precise. Proven.

CUSTOMER BENEFITS

Safer Operations
- Fully enclosed system
- Reduced operator exposure
- Simplified handling of sensitive chemistries

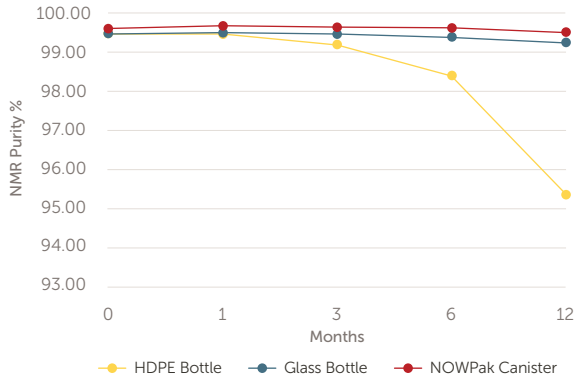
Chemistry Integrity
- Protects air- and moisture-sensitive reagents
- Ambient storage with no cold chain required
- Long-term stability and demonstrated shelf life

Enhanced Sustainability
- Recyclable external canister
- Reduced waste stream complexity
- Supports sustainability initiatives

Trusted Performance
- Industry-proven NOWPak platform
- Internal dip tube support sealed dispense pathway
- Efficient transportation and inventory management

PHOS Reagent Stability

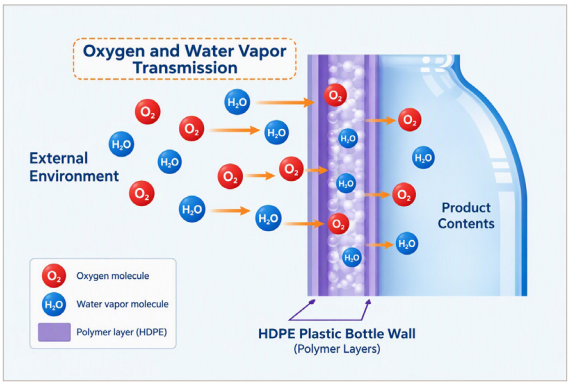
Overall Purity



Shelf life data for PHOS Reagent. All containers during this test were stored at ambient temperature.

NOWPak canister configuration gives equal performance to that of amber glass with low permeability to air and moisture. Reagent purity is maintained during long-term storage.

HDPE shows poor storage performance allowing high air/moisture permeability compromising reagent purity during storage.



Example permeation through an HDPE bottle.

AVAILABLE in 20 L

Reach out to oligos@entegris.com for more information.

Packaging You Can Trust

Our NOWPak packaging combines proven container performance with the chemical resistance of a PTFE liner to help safeguard moisture- and air-sensitive reagents. Extractables assessments performed across a range of challenging conditions support the system's clean contact profile and demonstrate its suitability for long-term storage of high-value specialty chemicals.

EXTRACTION SOLUTION	FORMULATION COMPONENTS
pH 3 Aqueous Extraction Medium	Potassium Chloride, Deionized Water
pH 9 Aqueous Extraction Medium	Sodium Phosphate Dibasic Heptahydrate, Deionized Water
25% IPA / Water Extraction Medium	Isopropanol, Deionized Water

Contact us at oligos@entegris.com to receive the full extractables report.

LEARN MORE

No other company has both the expertise and experience to provide transformative new solutions for your processes. For more information, please contact customer service.

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