



# CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA  
Tel: (416) 665-9696, Fax: (416) 665-4439  
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

## 1. Identification

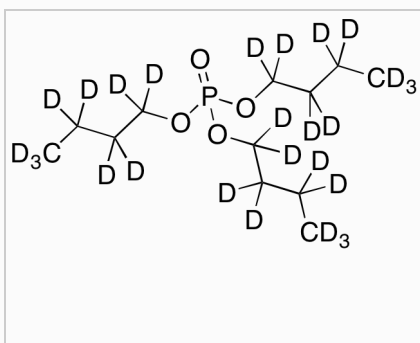
**Catalogue Number:** P359447

**CAS Number:** 61196-26-7

**Product:** Phosphoric Acid Tributyl Ester-d27

**Synonym:** Butyl phosphate-d27; Calloway 6814-d27; Celluphos 4-d27; Degressal SD 40-d27; Disflamoll TB-d27; Moussex 941PL-d27; NSC 8484-d27; Phosflex 4-d27; Phosphoric acid Tributyl Ester-d27; TBP-d27; TBPA-d27; Tri-n-butyl Phosphate-d27; Tributoxyposphine oxide-d27; Tributyl Phosphate-d27

**Structure:**



**Molecular Formula:**

$C_{12}D_{27}O_4P$

**Molecular weight:**

293.48

**Source of Product:**

Synthetic

**Solubility:**

Chloroform (Slightly)

**Lot Number:** 22-JPO-125-1

**Purity:** 98%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

## 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

## 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
GC	Report Result	99.64%
Isotopic Purity	>95%	>95% by NMR

**Additional Information:**

\*\*\*22-JPO-125-1 was tested under CDN lot BC-232\*\*\*\*\*Material was manufactured at CDN Isotopes, an affiliate of TRC\*\*\*

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of  $\pm 2\%$ . Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

## 4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	6/4/2021	6/2/2025