

# Certificate of Analysis

Triphenylphosphine OAS  
Cat No B2022 - Certificate No 1306

## General

This Organic Analytical Standard (OAS) consists of a purified and homogeneous batch of Triphenylphosphine for use as a routine working microanalytical standard for the determination of Carbon, Hydrogen and Phosphorus.

## Certified Values and Uncertainty

The uncertainty in the certified value is expressed as expanded uncertainty, U, at 95% confidence and is calculated in accordance with ISO/IEC17025 according to GUM (Guidelines to Uncertainty in Measurement). Confidence limits include those due to sampling variation, weighing, calibration and measurement errors. The certified values are based upon the results of 1 to 16 determinations.

The certified values for Carbon and Hydrogen were determined by elemental analyser calibrated to Acetanilide 141e from National Institute of Standards and Technology (NIST), Maryland, USA.

<i>Element</i>	<i>Certified Value</i> (% w/w)	<i>Uncertainty</i> (+/- %)	Theoretical
Carbon	82.40	0.16	82.42
Hydrogen	5.76	0.02	5.76
Phosphorus	11.81		11.81

## Expiration of Certification

The certification of this OAS is valid until 25-Apr-26 within the measurement uncertainties specified.

## Storage and Use

This OAS should be stored at temperatures between 20°C to 25°C and should be kept tightly sealed away from light and moisture. It is non-hygroscopic under normal conditions and can be used without preliminary drying.

## Certification Information

The technical aspects involved in the preparation, certification and issuance of this (In)Organic Analytical Standard (IAS/OAS) were carried out at Elemental Microanalysis Limited, Okehampton, Devon, EX20 1UB, UK, Tel +44 1837 54446, Fax +44 1837 54544, Email info@microanalysis.co.uk.

for and on behalf of  
Elemental Microanalysis Limited

Jon Davies  
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