

## 1. Identification

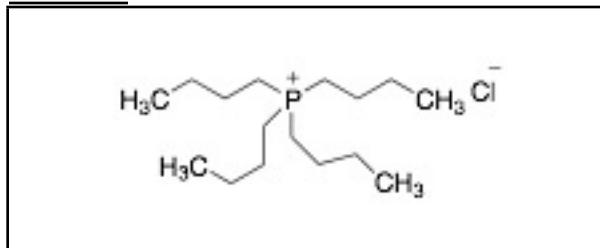
Catalogue Number

TRC-T310670

Lot Number

2-KMS-14-1

Structure



Product Name

Tetrabutylphosphonium Chloride

Synonyms

Cyphos 443P; Cyphos 443T; Cyphos IL 164; Hishicolin PX 4C;  
Tetra-n-butylphosphonium Chloride

CAS Number

2304-30-5

Solubility

Chloroform (Slightly), Methanol  
(Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room  
Temperature

Molecular Formula

C<sub>16</sub>H<sub>36</sub>ClP

Source of Product

N/A

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

294.88

Purity

98%

## 2. Warnings

Hygroscopic

Toxic

## 3. Analytical Information

Tests

Appearance

Specifications

White to Yellow Low-Melting Solid

Results

Off-White Low-Melting Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 64.75, %H: 12.33

MS

Conforms to Structure

Conforms

Water Content

Report Result

0.3% by Karl Fischer

Chloride Content

Report Result

11.79% by Ion Chromatography

Additional Information

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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

*EJB*

Eric Beaton

Reviewed by

*PCh*

Philip Chan

C of A Approved by

*HBN*

My Nguyen

Test Date

11/8/2018

Retest Date

11/6/2022