

Certificate of Analysis

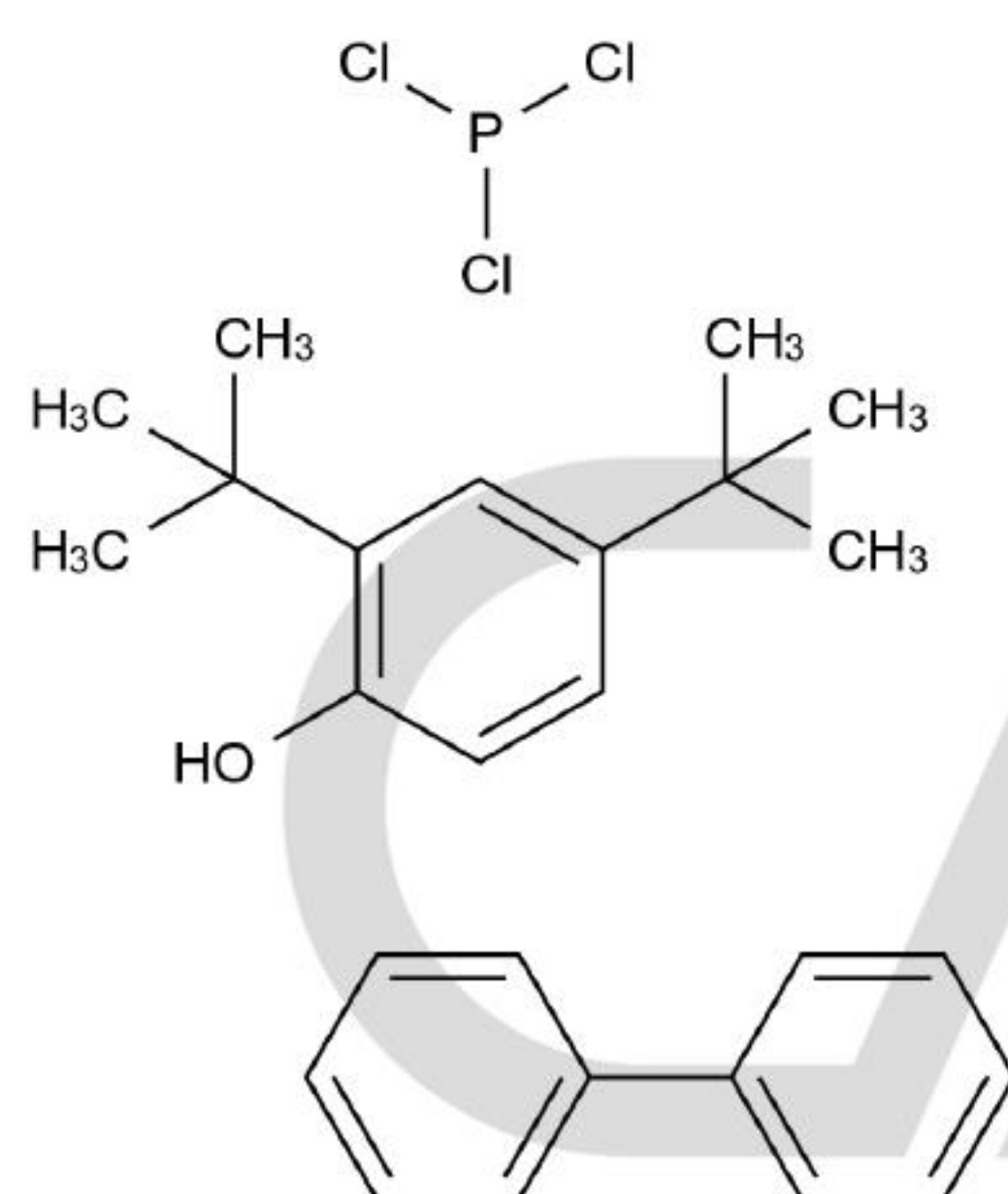
Reference Material & Standard

Product Name:	IRGAFOS P-EPQ	Catalogue Number:	CCHM700872
Synonyms:	N/A	Lot Number:	0830-RC-0009
CAS Number:	119345-01-6	Expiry Date:	Sep 13, 2025
Molecular Formula:	C ₁₄ H ₂₂ O C ₁₂ H ₁₀ Cl ₃ P	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	206.32 154.21 137.33	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	HRMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	5.4041%
Assay		94.6%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Debia

Reviewed by:

Cady

Approved by General Manager:

David



Date: Sep 14, 2021

Date: Sep 14, 2021

Date: Sep 14, 2021

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

