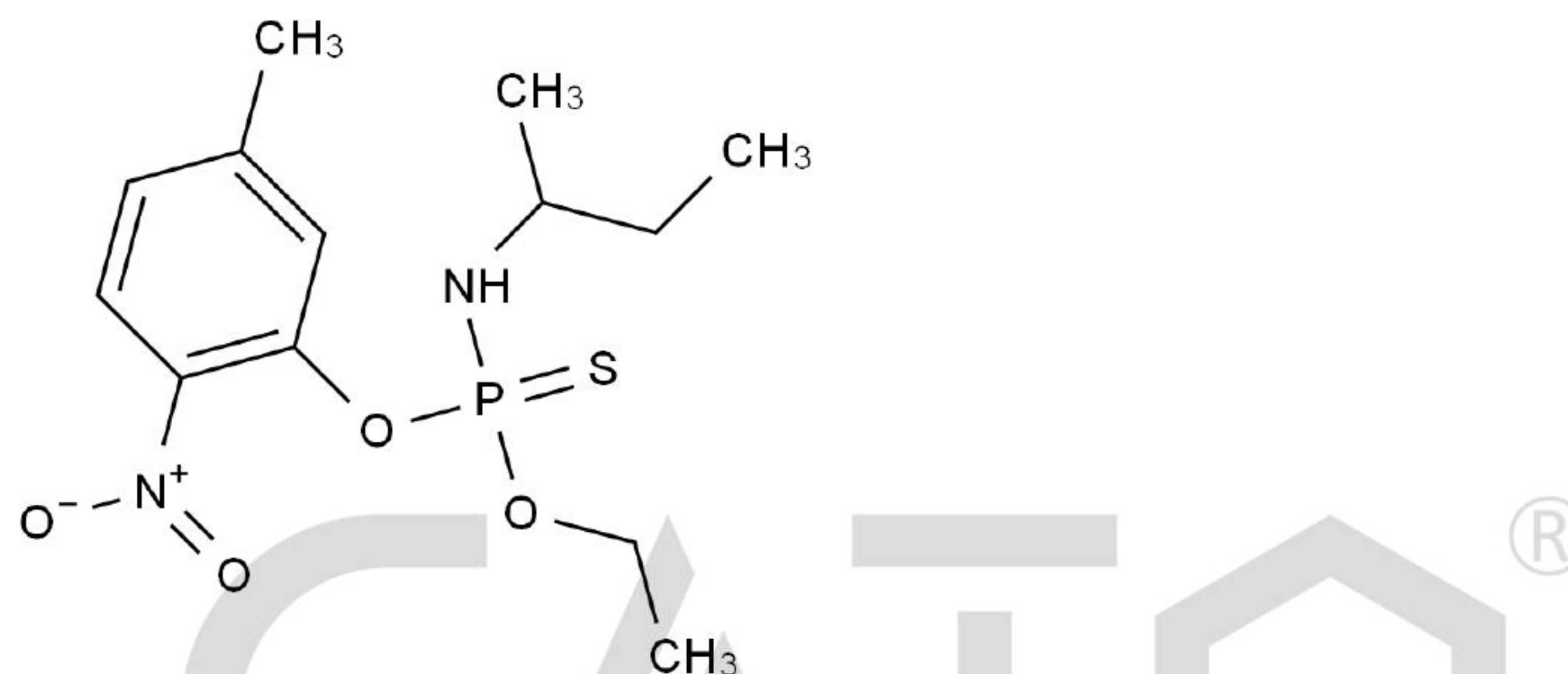


Certificate of Analysis

Reference Material

Product Name:	Butamifos	Catalogue Number:	CCPD100151
Chemical Name:	N/A	Lot Number:	0804-RD-0013
CAS Number:	36335-67-8	Expiry Date:	Aug 21, 2023
Molecular Formula:	C ₁₃ H ₂₁ N ₂ O ₄ PS	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	332.36		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Liquid
Purity	HPLC	98.97%
Water Content	Karl Fischer	0.3132%
Assay		98.7%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% 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.
3. 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:

Xenia

Reviewed by:

Cady

Aporoved by General manager:

David

Date: Aug 21, 2019

Date: Aug 08, 2022

Date: Aug 08, 2022

