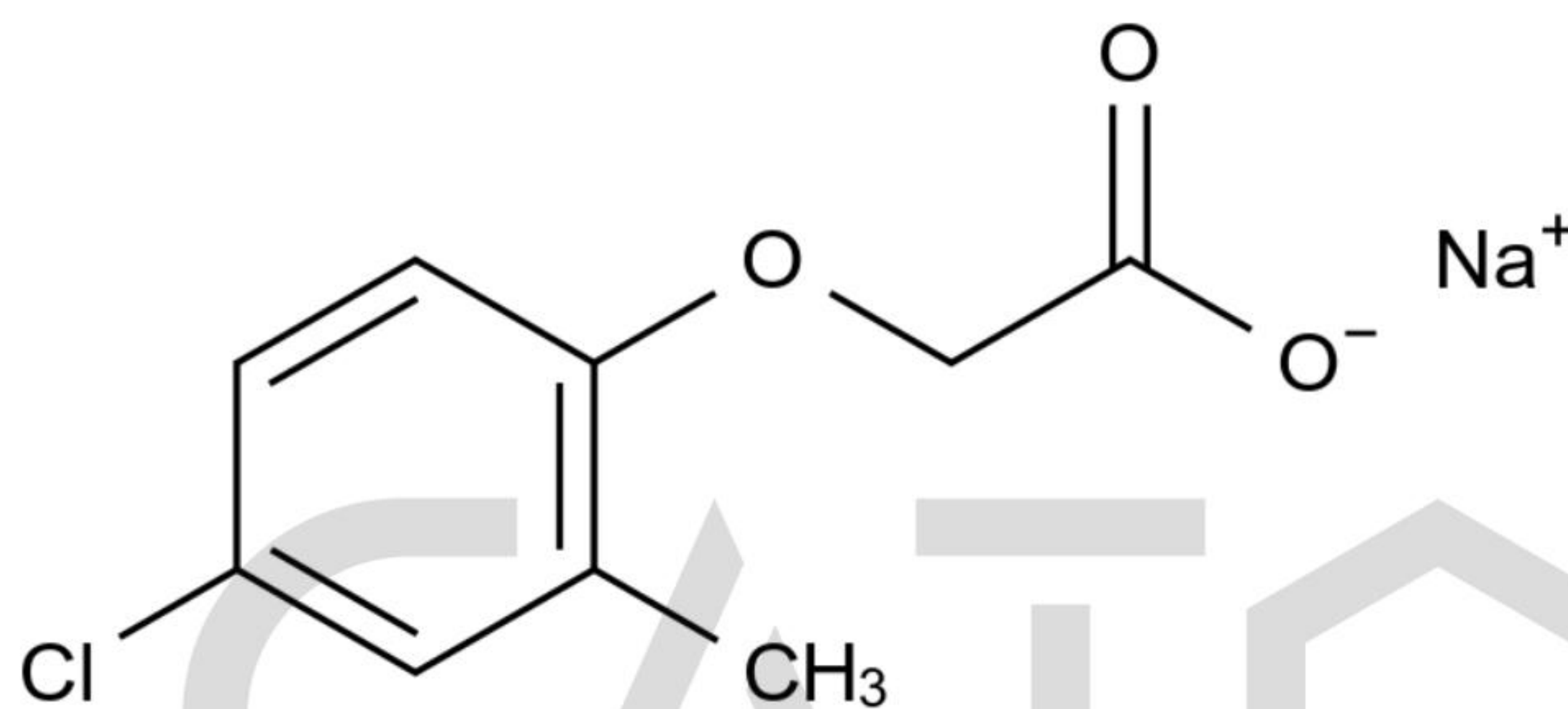


Certificate of Analysis

Reference Material

Product Name:	Mcpa-Sodium	Catalogue Number:	CCPD100557
Chemical Name:	N/A	Lot Number:	0613-RD-0052
CAS Number:	3653-48-3	Expiry Date:	Jan 29, 2026
Molecular Formula:	C ₉ H ₈ ClO ₃ Na	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	199.61 22.99		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Powder
Purity	UPLC	98.95%
Water Content	Karl Fischer	4.4467%
Assay		94.5%
Uncertainty		±2.0%

Comment:

1. No chromatogram available.
2. The calculation of the 100% method follows the formula:

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

Water Content is considered as absolute effect, UPLC 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: Jan 29, 2020

Date: Jun 16, 2022

Date: Jun 16, 2022

