



Certificate of Analysis

For Use With Analytical Methods

TRACEABILITY AND DOCUMENTATION FOR SOLUTION 5190-1441 Pesticide Locking Standard 3 x 1mL
LOT NUMBER - M1080717004

EXPIRATION DATE - 17-July-2010
Standard Solution Matrix - n-Hexane

STARTING MATERIALS

Compound	CAS #	Purity	Amount used per ml	Final Concentration
Chlorpyrifos-methyl	5598-13-0	99	10.1 µg	10 µg/ml
Dichlorvos	62-73-7	99.5	10 µg	10 µg/ml
Mirex	2385-85-5	99	10.1 µg	10 µg/ml

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

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Please store this solution in a refrigerator and if necessary sonicate for one minute before use. If compounds do not dissolve after one minute than sonicate further until the product is dissolved. A clear appearance is acceptable.

If the compounds do not dissolve after ten minutes of sonication, contact our chemists for technical guidance.

The minimum recommended amount that should be removed from this vial is 5µL with a 10µL gas tight syringe.

Use of smaller syringes and smaller volumes can significantly increase the uncertainty of the diluted product concentration.

If this product is being used directly with an instrument auto-sampler a 1µL injection may be used.

The EXPIRATION DATE is calculated from the MANUFACTURED DATE using our stability data and is applicable only if the product is unopened or has been stored tightly closed in the prescribed conditions.

Analytical balance calibration is verified daily with C1 weight set # 23-190006, which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures. The final concentration has a maximum uncertainty of $\pm 0.5\%$ using a coverage factor (k) equal to 2.

Reference materials are not for any cosmetic, drug or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against Agilent Technologies of any kind whatsoever, whether based on breach of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall Agilent Technologies be liable for any loss of profits or any incidental, special, or consequential damages.

Results audited by: Shannon Macieira, Production Supervisor

Shannon Macieira

Date: 10/13/2009

This product was manufactured to the standards specified in our ISO-9001 and ISO 17025 quality system.

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