# TECHNICAL DATA SHEET

**Trade name** : d-TETRAMETHRIN

## CHEMICAL IDENTIFICATION

**Nomenclature**

| | | |
|---|---|---|
| ISO 1750 | : | Tetramethrin (mixture of stereoisomers) |
| IUPAC | : | Reaction mass of (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl (1R,3R)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate and (1,3-dioxo-1,3,4,5,6,7-hexahydro-2H-isoindol-2-yl)methyl (1R,3S)-2,2-dimethyl-3-(2-methylprop-1-en-1-yl)cyclopropanecarboxylate (4:1) |
| CAS (9th CI) | : | Cyclopropanecarboxylic acid, 2,2-dimethyl-3-(2-methyl-1-propenyl), (1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl) methyl ester, (1R) |
| Others | : | d-TTM |

**CAS number** : 548460-64-6

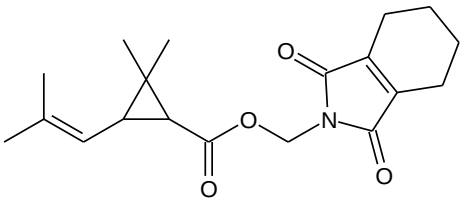
7696-12-0 (alternatively used in Mexico)

**EC number** : 947-513-4

**Molecular formula** : $C_{19}H_{25}NO_4$

**Molecular weight** : 331.41

**Structural formula** (unspecified stereochemistry) :




## PRODUCT SPECIFICATIONS

**Purity** (ENDQC-91 method by HRGC) : **92.0 % w/w min.**

Isomeric distribution

cis/trans-chrysanthemates ratio : 20 (±5)/80(±5)

d-chrysanthemates : 93.0 % min.*

**Acidity number** (ENDQC-96 method) : 5.0 mg KOH/g max.

**Appearance** (ENDQC-94 method) : Yellow to brown viscous liquid or semisolid mass

* Relative % of isomers

*NOTE: Endura reserves the right to make amendments to the data reported in this sheet either in compliance to any official body's updating or in agreement with Internal Company decisions.*
*The reported information is, to the best of our knowledge, as accurate and complete as possible and is given in good faith but without warranty from our part. Any use for Registration purposes must be authorised by Endura in advance.*

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## ADDITIONAL INFORMATION

| | | | |
|---|---|---|---|
| **Odour** | : | Slightly aromatic | |
| **Relative density** | : | 1.09 | at 20°C |
| **Vapour pressure** | : | <0.027 mPa | at 25 °C |
| **Solubility** | : | Practically insoluble in water<br>Soluble in most common organic solvents | |
| **Partition coefficient (Log Pow)** | : | 5.06 | at 25 °C |