

## TECHNICAL DATA SHEET

**Trade name** : TETRAMETHRIN (TECHNICAL GRADE)

### CHEMICAL IDENTIFICATION

#### Nomenclature

ISO 1750 : Tetramethrin  
 IUPAC : Cyclohex-1-ene-1,2-dicarboximidomethyl(1*RS*,3*RS*;1*RS*,3*SR*)-  
 2,2-dimethyl-3-(2-methylprop-1-enyl)cyclopropanecarboxylate  
 CAS (9<sup>th</sup> Cl) : 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylic acid  
 (1,3,4,5,6,7-hexahydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl ester  
 Others : TTM

**CAS number** : 7696-12-0

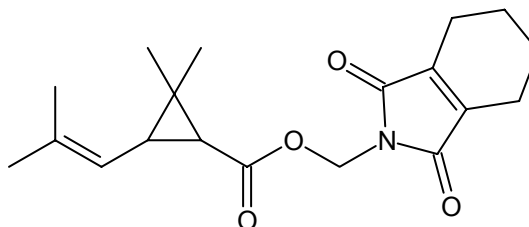
**EC number** : 231-711-6

**Molecular formula** : C<sub>19</sub>H<sub>25</sub>NO<sub>4</sub>

**Molecular weight** : 331.41

**Structural formula** :

(unspecified stereochemistry)



### PRODUCT SPECIFICATIONS

**Purity (ENDQC-13 method by HRGC)** : **92.0 % min**

**Cis/trans ratio (ENDQC-14 method by HRGC)** : 20 (±5) / 80 (±5)

**Acidity number (ENDQC-11 method)** : 5 mg KOH / g max

**Solubility test 2% in Shellsol TD** : clear solution

**Solubility test 5% in Toluene** : clear solution

*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 authorized by Endura in advance.*

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### ADDITIONAL INFORMATION

<b>Appearance</b>	:	White to ivory granules
<b>Colour</b>	:	500 max (APHA scale)
<b>Odour</b>	:	Slight Pyrethrum-like odour
<b>Melting range</b>	:	60 - 85 °C
<b>Bulk density</b>	:	0.40 - 0.50 kg / dm <sup>3</sup>
<b>Vapour pressure</b>	:	7.8 x 10 <sup>-7</sup> hPa at 25 °C
<b>Solubility</b>	:	Practically insoluble in water Soluble in most common solvents
<b>Partition coefficient (Log Pow)</b>	:	4.67 at 20 °C

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