

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	29977
<b>Lot Number</b>	002290-020516
<b>Product</b>	<b>Diethyl ketomalonate</b>

Diethyl mesoxalate

Ketomalonic acid diethyl ester

<b>CAS Number</b>	609-09-6
-------------------	----------

<b>Molecular Formula</b>	C <sub>7</sub> H <sub>10</sub> O <sub>5</sub>
--------------------------	---

<b>Molecular Weight</b>	174.15
-------------------------	--------

---

<b>Appearance</b>	Clear yellowish liquid
-------------------	------------------------

<b>Solubility</b>	Soluble in Methanol and Ethanol.
-------------------	----------------------------------

<b>Density</b>	1.139 g/mL at 25 °C
----------------	---------------------

<b>Water Content (Karl Fisher)</b>	0.42%
------------------------------------	-------

<b>Infrared Spectrum</b>	Conforms to structure
--------------------------	-----------------------

<b><sup>1</sup>H NMR</b>	Conforms to structure
--------------------------	-----------------------

<b>Purity by GC</b>	98.20%
---------------------	--------

<b>Storage</b>	Store at 0-8 °C
----------------	-----------------

<b>Remarks</b>	See material safety data sheet for additional information
----------------	---

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager