

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	33062
<b>Product</b>	<b>DL-<math>\alpha</math>-Tocopherol acetate</b> Vitamin E acetate
<b>CAS Number</b>	7695-91-2
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>52</sub> O <sub>3</sub>
<b>Molecular Weight</b>	472.74

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<b>Warnings</b>	<i>Air and light sensitiv!</i>
<b>Appearance</b>	Clear, colorless slightly greenish-yellow viscous,oily liquid
<b>Melting Point</b>	-28 °C
<b>Boiling point</b>	224 °C (0.3mmHg)
<b>Flash Point</b>	225.5 °C
<b>Density</b>	0.96
<b>Refractive Index</b>	1.495 - 1.4972
<b>Heavy Metals</b>	Lead: $\leq$ 2 mg/kg Arsenic: $\leq$ 1 mg/kg Copper: $\leq$ 25 mg/kg Zinc: $\leq$ 25 mg/kg
<b>Acidity</b>	$\leq$ 1.0 ml
<b>Mould and Yeast</b>	$\leq$ 100 cfu/g
<b>Optical Rotation</b>	[a] <sub>D</sub> <sup>20</sup> = -0.01 to +0.01°
<b>Infrared Spectrum</b>	Conforms to structure
<b>Residual Solvents</b>	Isobutyl acetate : $\leq$ 0.5%
<b>E. Coli</b>	ng/g

# *Product Specifications*

**Catalog Number: 33062**

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<b>Enterobacteriaceae</b>	ng/g
<b>Microbial Count</b>	≤ 1000 cfu/g (TAMC)
<b>Pseudomonas Aeruginosa</b>	ng/g
<b>Staphylococcus Aureus</b>	ng/g
<b>Related Substances</b>	Impurity A: ≤ 0.5% Impurity B: ≤ 1.5% Impurity C: ≤ 0.5% Impurity D & E: ≤ 1.0% Any other impurity: ≤ 0.25% Total impurities: ≤ 2.5%
<b>Assay</b>	96 - 102%
<b>Grade</b>	EP/USP/FCC
<b>Storage</b>	Store at 2-8°C

**For Laboratory Use Only**