

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	04347
<b>Lot Number</b>	000127-1070637
<b>Product</b>	<b>(Ac-L-Cys-OH)<sub>2</sub> (Disulfide bond)</b> <i>N,N'</i> -Diacetyl-L-cystine
<b>CAS Number</b>	5545-17-5
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight</b>	324.38

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<b>Appearance</b>	White crystals
<b>Appearance of Solution</b>	Clear colorless solution ( 50 mg/mL in Acetic acid 80%)
<b>Water Content (Karl Fisher)</b>	1.3%
<b>TLC System</b>	n-Butanol/Acetic acid/Water (4:2:2) Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB, Iodine
<b>Assay by titration</b>	99.9% (TBAH)
<b>D-Enantiomer</b>	0.2%
<b>Purity by TLC</b>	> 99%
<b>Chiral Purity</b>	99.8% (ee)
<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