

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	03053
<b>Product</b>	<b>S-4-Methoxybenzyl-L-cysteine</b>
<b>Lot Number</b>	000127-1026746
	L-Cys(pMeOBzl)-OH
<b>CAS Number</b>	2544-31-2
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>15</sub> NO <sub>3</sub> S
<b>Molecular Weight</b>	241.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear colorless solution (10mg/mL in 80% formic acid)
<b>Melting Point</b>	215 °C
<b>Elemental Analysis (Found)</b>	C = 54.6%; H = 6.3%; N = 5.7%
<b>Water Content (Karl Fisher)</b>	0.3%
<b>TLC System</b>	Ethyl acetate/pyridine/acetic acid/water (60/60/12/36) n-butanol/acetic acid/H <sub>2</sub> O (4/2/2) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = 24.5 ° (C=1% in 1N NaOH)
<b>Assay by titration</b>	99.1% (HClO <sub>4</sub> )
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at RT
<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