

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	39778
<b>Lot Number</b>	003293-001105-1-0317
<b>Product</b>	<b>1-Butyl-3-methylimidazolium</b>
<b>CAS Number</b>	878027-73-7
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> N <sub>5</sub>
<b>Molecular Weight</b>	229.29

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<b>Appearance</b>	Yellow to brown liquid
<b>Cation</b>	Halides : < 0.5%
<b>Water Content (Karl Fisher)</b>	311 ppm
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay</b>	98.7% (1-Butyl-3-methylimidazolium) 99.9% (Tricyanomethanide)
<b>Purity</b>	> 98% (NMR)
<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