

# *Chem-Impex International, Inc.*

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825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	31199
<b>Lot Number</b>	001331-20170602
<b>Product</b>	<b>Benzotriazole-1-carboxamidinium tosylate</b>

Bcat

<b>CAS Number</b>	163853-10-9
<b>Molecular Formula</b>	C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S•C <sub>7</sub> H <sub>7</sub> N <sub>5</sub>

<b>Molecular Weight</b>	333.4
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<b>Appearance</b>	White powder
<b>Melting Point</b>	188.7 °C
<b>Loss on Drying</b>	0.33%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.2%
<b>Storage</b>	Store at 2-8 °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**