

# Chem-Impex International, Inc.

---

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	14260
<b>Lot Number</b>	001331-20140604
<b>Product</b>	<b><i>O</i>-(1<i>H</i>-6-Chlorobenzotriazol-1-yl)-<i>N,N,N',N'</i>-tetramethyluronium hexafluorophosphate</b> HCTU
<b>CAS Number</b>	330645-87-9
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>15</sub> ClF <sub>6</sub> N <sub>5</sub> OP
<b>Molecular Weight</b>	413.69

---

<b>Appearance</b>	White to off-white crystalline powder
<b>Solubility</b>	Clear and transparent in DMF Clear and transparent in N-methyl-2-pyrrolidinone.
<b>Melting Point</b>	186.3 °C
<b>Water Content (Karl Fisher)</b>	0.10%
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.13%
<b>Purity by HPLC</b>	99.6%
<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