

# *Chem-Impex International, Inc.*

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**Manufacturing site:**

825 Dillon Drive

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## *Certificate of Analysis*

<b>Catalogue Number</b>	38278
<b>Product</b>	<b>Tetracaine hydrochloride</b>
<b>Lot Number</b>	003483-01-07-23
	4-(Butylamino)benzoic acid 2-(Dimethylamino)ethyl ester
<b>CAS Number</b>	136-47-0
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	300.83

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<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Very soluble in water, soluble in alcohol, insoluble in ether and benzene.
<b>Melting Point</b>	134.5 °C
<b>Water Content (Karl Fisher)</b>	0.69%
<b>Residual Solvents</b>	Acetone and Toluene : Not detected IPA : 46 ppm
<b>Bacterial Endotoxins</b>	< 0.7 u/mg
<b>Related Substances</b>	Amino benzoic acid : Not detected Tetracaine related compound B : Not detected Tetracaine related compound C : Not detected Individual unspecified : Not detected Impurity : Not detected
<b>Residue On Ignition</b>	0.037%
<b>Assay (anhydrous basis)</b>	99.98%
<b>Grade</b>	Meets USP Specification
<b>Storage</b>	Store at 2 - 8 °C
<b>Additional Information</b>	Identification : Test for A : Infrared spectrum : Conforms to structure Test for B : Passes test Test for C : Passes test Sterility test : Passes test

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**Remarks**

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**