

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	21734
<b>Product</b>	<b>Serotonin creatinine sulfate monohydrate</b>
<b>Lot Number</b>	000155-10762 3-(2-Aminoethyl)-5-hydroxyindole creatinine sulfate monohydrate 3-2-Aminoethyl-5-hydroxyindole serotonin monohydrate
<b>CAS Number</b>	61-47-2
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>12</sub> N <sub>2</sub> O•C <sub>4</sub> H <sub>7</sub> N <sub>3</sub> O•H <sub>2</sub> O•H <sub>2</sub> SO <sub>4</sub>
<b>Molecular Weight</b>	405.43
<b>Appearance</b>	Off-white powder
<b>Appearance of Solution</b>	Colorless (1% aqueous solution)
<b>Turbidity</b>	0.4 NTU (1% aqueous solution)
<b>Melting Point</b>	219°C
<b>Water Content (Karl Fisher)</b>	3.6%
<b>TLC System</b>	Conforms to standard (100 mg in 10 mL water; propanol/acetic acid/water 4:1:1; UV 254 nm, van Urk)
<b>Infrared Spectrum</b>	Conforms to standard
<b>Sulfated Ash</b>	0.02%
<b>Assay by titration</b>	100.1% (NaOH titration, 0.1 M)
<b>Storage</b>	Store at 0-8°C
<b>Additional Information</b>	5-hydroxy tryptamine: 46.8% (HPLC) Creatinine: 28.9% (HPLC) Specific absorbance (1% 1 cm): 146.4 L/(g cm) (in 0.1 M HCl at 275 nm)

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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**