

# *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>	22025
<b>Lot Number</b>	20100501
<b>Product</b>	<b>6-Mercaptopurine monohydrate</b>

6-Thiohypoxanthine monohydrate

<b>CAS Number</b>	6112-76-1
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> S•H <sub>2</sub> O
<b>Molecular Weight</b>	170.2

---

<b>Appearance</b>	Yellow crystalline powder
<b>Heavy Metals</b>	< 10 ppm
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	11.6%
<b>Organic Volatile Impurities</b>	Meets the requirements
<b>Residue On Ignition</b>	0.07%
<b>Purity</b>	98.9%
<b>Grade</b>	USP31
<b>Storage</b>	Store at 0-8°C

<b>Additional Information</b>	Impurities: Phosphorus < 0.01% Hypoxanthine = 0.24% PSP = 0.10% PSSP = 0.25% Total impurities = 0.89%
-------------------------------	--

# *Certificate of Analysis*

Catalog Number: 22025

Lot Number: 20100501

---

**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**