

# Chem-Impex International, Inc.

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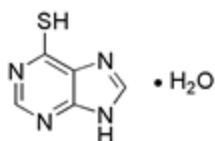
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

**Catalogue Number** 22025

**Product** **6-Mercaptopurine monohydrate**

6-Thiohypoxanthine monohydrate

**CAS Number** 6112-76-1

**Molecular Formula** C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>S•H<sub>2</sub>O

**Molecular Weight** 170.2

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**Appearance** Yellow crystalline powder

**Heavy Metals** ≤ 10 ppm

**Infrared Spectrum** Conforms to structure

**Loss on Drying** 10-12%

**Organic Volatile Impurities** To meet with the requirements

**Residue On Ignition** ≤ 0.1%

**Assay** ≥ 98%

**Grade** USP31

**Storage** Store at 0-8°C

**Additional Information** Impurities:  
Phosphorus ≤ 0.01%  
Hypoxanthine ≤ 1%  
PSP ≤ 0.5%  
PSSP ≤ 0.5%  
Total impurities ≤ 2%

**For Laboratory Use Only**