

# Chem-Impex International, Inc.

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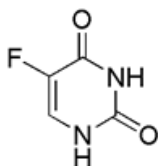
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

**Catalogue Number** 01786

**Product** **5-Fluorouracil**

2,4-Dihydroxy-5-fluoropyrimidine

5-Fluoro-1*H*-pyrimidine-2,4-dione

**CAS Number** 51-21-8

**Molecular Formula** C<sub>4</sub>H<sub>3</sub>N<sub>2</sub>O<sub>2</sub>F

**Molecular Weight** 130.1

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**Appearance** White crystalline powder

**Heavy Metals** ≤ 0.002%

**Anion** Fluorine content : 13.9 - 15.0%

**Loss on Drying** ≤ 0.5% (80 °C, 4h)

**Related Substances**  
Fluorouracil related compound A : ≤ 0.15%  
Fluorouracil related compound B : ≤ 0.15%  
Uracil : ≤ 0.15%  
5-Methoxyuracil : ≤ 0.15%  
Fluorouracil related compound E : ≤ 0.15%  
Any individual unspecified impurity : ≤ 0.1%  
Total impurities : ≤ 0.5%

**Residue On Ignition** ≤ 0.1%

**Assay** 98 - 102% (On dried basis)

**Grade** Meets USP Specification

**Storage** Store at RT

**Additional Information** Identification :  
Test A : Infrared spectroscopy : Conforms to structure  
Test B : UV-Visible spectroscopy : To pass test  
Test C : To pass test

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**For Laboratory Use Only**