

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	33344
<b>Lot Number</b>	000448-1819146
<b>Product</b>	<b>Allopurinol</b>
	1 <i>H</i> -Pyrazolo(3,4- <i>d</i> )pyrimidin-4-ol
<b>CAS Number</b>	315-30-0
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>4</sub> N <sub>4</sub> O
<b>Molecular Weight</b>	136.11

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<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Soluble in solutions of potassium and sodium hydroxides, very slightly soluble in water and in alcohol, practically insoluble in chloroform and in ether.
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	0.19% (dry 1 g in vacuum at 105°C for 5 hrs)
<b>Residual Solvents</b>	< 50 ppm (Formamide)
<b>Related Substances</b>	Limit of Hydrazine: < 0.2 ppm Ethly-( <i>E/Z</i> )-3(2-carbethoxy-2-cyanoethenyl)amino-1 <i>H</i> -pyrazole-4-carboxylate: < 0.02% Any individual unspecified impurity: < 0.02% Total impurities: 0.114%
<b>Purity by HPLC</b>	100%
<b>Grade</b>	USP/EP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Organic Impurities: Allopurinol related compound A, D: < 0.03% Allopurinol related compound B: 0.072% Allopurinol related compound C: < 0.02% Allopurinol related compound E: < 0.04%

# *Certificate of Analysis*

Catalog Number: 33344

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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**