



## Specification

### Allopurinol

**CAS Number:** 315-30-0  
**Molecular Formula:** C<sub>5</sub>H<sub>4</sub>N<sub>4</sub>O  
**Molecular Weight:** 136.11  
**Storage:** 15°C - 30°C

Test	Specification
Appearance:	White or almost white powder
Solubility:	Soluble in solution of potassium and NaOH; Very slightly soluble in water and in alcohol; practically insoluble in chloroform and in ether.
Identification:	Conforms with IR spectrum
Impurity A:	≤ 0.2 %
Impurity B:	≤ 0.2 %
Impurity C:	≤ 0.2 %
Impurity D:	≤ 0.2 %
Impurity E:	≤ 0.2 %
Impurity F:	≤ 0.2 %
Unspecified Impurity:	≤ 0.1 %
Total impurities:	≤ 1.0 %
Limited of Hydrazine:	≤ 10 ppm
Heavy Metals (as Pb):	≤ 20.0 ppm
UV Ratio:	0.52 - 0.60
UV Spectrum:	conforms
Sulfated Ash:	≤ 0.1 %
Loss on Drying:	≤ 0.5 %
Assay (HPLC):	98.0 - 102.0 %
BSE/TSE:	BSE/TSE Free
Total impurities other than A,B and C:	≤ 0.3 %

Approved:

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Date: May 8, 2020