

CM 23190 - KINETIN (6-FURFURYLAMINOPURINE), AR GRADE

REF NO: TBL/QA/SS/LC/863	STANDARD SPECIFICATION FOR KINETIN (6-FURFURYLAMINOPURINE), AR GRADE	Rev. No: 03
Issue No: 04		Review Date:26/10/2024
Issue Date: 27/10/2021		Product code:863

PRODUCT PROPERTIES

C.A.S Number	525-79-1
Chemical Formula	C ₁₀ H ₉ N ₅ O
Formula weight	215.21
Functional Uses	Kinetin is used as a plant growth regulator. It can promote cell division, differentiation and growth, and thus enhance germination and fruit set, induce callus initiation, reduce apical dominance, break lateral bud dormancy, retard aging.
Standard Packaging	1gm, 5gm.

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White to slightly crystalline yellowish powder.
Solubility	Freely soluble in dil. HCl or NaOH. Slightly soluble in water.

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Melting Point	266 – 269°C
Ash	NMT – 0.05%
Assay	NLT – 99.0%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

