

863 - KINETIN (6-FURFURYLAMINOPURINE), AR GRADE

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| 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

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|--------------------|---|
| 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 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 | 1 gm, 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.