

## CM 23,497 - KINETIN (6-FURFURYLAMINOPURINE), AR GRADE

### PRODUCT PROPERTIES

|                    |   |
|--------------------|---|
| C.A.S Number       | 525-79-1  |
| Chemical Formula   | C <sub>10</sub> H <sub>9</sub> N <sub>5</sub> 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.

