

## 516 – ZEATIN (PLANT GROWTH REGULATOR)

REF NO: TBL/QA/SS/LC/516	STANDARD SPECIFICATION FOR ZEATIN (PLANT GROWTH REGULATOR)	Rev. No: 03
Issue No: 04		Review Date: 09/11/2024
Issue Date:10/11/2021		Product code:516

### PRODUCT PROPERTIES

C.A.S Number	1637-39-4
Chemical Formula	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O
Formula weight	219.25
Functional Uses	Zeatin promotes callus initiation when combined with auxin, promotes fruit set. Zeating retards yellowing for vegetables and causes auxiliary stems to grow and flower.
Standard Packaging	100 mg, 500 mg & 1 gm.

### PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White crystalline powder.

### CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Total Ash	NMT – 0.1%
Moisture	NMT – 0.5%
Melting Point	208 – 210°C
Assay	NLT – 98.0%

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

