



## TECHNICAL DATA SHEET

### ZINC PICOLINATE

Other Nomenclature Zinc Dipicolinate

#### Physical Data

Molecular Formula	$[\text{C}_6\text{H}_4\text{NO}_2]_2 \text{Zn}$
Molecular weight	309.8g/mol
CAS Number	17949-65-4

#### Specifications

Description	White free flowing powder
Solubility	Soluble in hot water. Partially soluble in dichloromethane. Slightly soluble in cold water.
Melting point	Above 235° C to 245° C
pH 0.5% solution	5 to 8
Mesh size	NLT 90% passing through 80 mesh
Assay (Zinc content)	Between 20 23%
Bulk density	0.40.6 gm/ml
Tap density	0.50.8 gm /ml
Loss on drying	NMT 6%
Sulphate	NMT 0.20%

<b>Heavy metal</b>	NMT 10ppm
<b>Arsenic</b>	NMT 2ppm
<b>Lead</b>	NMT 2ppm
<b>Cadmium</b>	NMT 2ppm
<b>Microbiological test</b>	
<b>E. Coli / Salmonella</b>	Absent
<b>Total Plate Count</b>	NMT 1000 cfu / gm
<b>Mould &amp; Yeast</b>	Max. 100 organism / gm

### **Packing**

25 kg / 50 kg Fibre Drums / HMHDPE Drums

### **Applications**

A superior micro-nutrient for human / animal feeds

- Treatment of Cirrhosis (Liver Disorder)
- Treatment of Arteriosclerosis (Hardening of Arteries)
- Remedy of Dermatopathy
- Remedy of Metallothionien induction
- Prevention of Sunburns