



## UNISOURCE CHEMICALS PRIVATE LIMITED

Factory : L-15 MIDC TARAPUR, BOISAR - 401506 DIST. Palghar,INDIA.  
Tel.: ++91-22-22019990 ; 2205 2250; E-mail: unisourceindia@gmail.com; Web: www.ucplchem.com  
AN ISO 9001:2015 & GMP CERTIFIED COMPANY

### **Product Information**

### **TECHNICAL DATA SHEET / Specification Sheet**

#### **Dithizone**

|                   |  |
|-------------------|--|
| Synonym           | : Diphenylthiocarbazone  |
| Molecular Formula | : C <sub>6</sub> H <sub>5</sub> NHNHCSN=NC <sub>6</sub> H <sub>5</sub> |
| Molecular Weight  | : 256.33   |
| CAS No.           | : 60-10-6  |
| Shelf Life        | : 5 years  |

#### **Technical Specification**

|                         |   |
|-------------------------|---|
| APPEARANCE              | : Brown to Very Dark Brown and Purple to Very Dark Purple Powder      |
| PURITY                  | : $\geq 98.0\%$   |
| SOLUBILITY (COLOR)      | : Light Yellow to Very Dark Yellow and Light Green to Very Dark Green |
| SOLUBILITY (TURBIDITY)  | : Clear SOLUBILITY (METHOD) : 10MG IN 10ML PYRIDINE                   |
| RESIDUE ON IGNITION     | : $\leq 0.3\%$ CARBON   |
| CONTENT                 | : 60.92%  |
| HYDROGEN CONTENT        | : 4.72%   |
| NITROGEN CONTENT        | : 21.86%  |
| TEST BY UV SPECTROSCOPY | : ratio of absorbances (620 nm:450nm): $\geq 1.55$                    |
| ACS SPECIFICATIONS      | : CORRESPONDS TO REQUIREMENTS   |
| REMARKS ON ACS          | : HEAVY METALS (AS PB) $\leq 0.002\%$                                 |