

## 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	: 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	: 0.3 %
CARBON CONTENT	: 60.92 %
HYDROGEN CONTENT	: 4.72 %
NITROGEN CONTENT	: 21.86 %
TEST BY UV SPECTROSCOPY	: ratio of absorbances (620 nm:450nm): 1.55
ACS SPECIFICATIONS	: CORRESPONDS TO REQUIREMENTS
REMARKS ON ACS	: HEAVY METALS (AS PB) 0.002 %