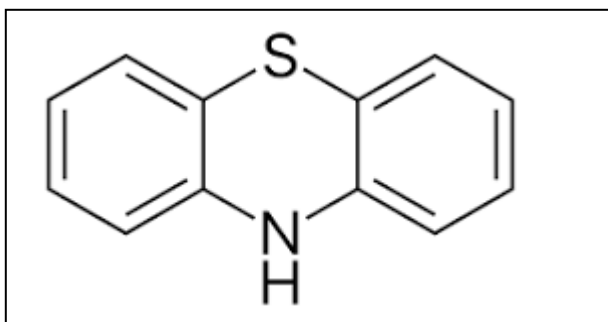




**Product Data Sheet**

**Phenothiazine**



**CAS NO** : 92-84-2  
**EMPIRICAL FORMULA** : C<sub>12</sub>H<sub>9</sub>NS  
**MOLECULAR WIEGHT** : 199.3 g/mol

**GRADE : EXTRA PURE**

| Sr.No. | Test          | Specification                   |
|--------|---------------|---------------------------------|
| 1      | Appearance    | Yellow To Greenish Powder/Prill |
| 2      | Assay (%A)    | More Less Than 99.6% Wt Basis   |
| 3      | Diphenylamine | Not More Than 0.3% Wt Basis     |
| 4      | Melting Point | 183 Deg Centigrade              |
| 5      | Ash Content   | Not More Than 0.10% Wt Basis    |

**GRADE-1 : COMMERCIAL**

| Sr.No. | Test          | Specification                   |
|--------|---------------|---------------------------------|
| 1      | Appearance    | Yellow To Greenish Powder/Prill |
| 2      | Assay (%A)    | more less than 99.5% wt basis   |
| 3      | Diphenylamine | not more than 0.5% wt basis     |
| 4      | Melting Point | 184 deg Centigrade              |
| 5      | Ash Content   | not more than 0.10% wt basis    |

**GRADE-2 : COMMERCIAL**

| Sr.No. | Test                | Specification                  |
|--------|---------------------|--------------------------------|
| 1      | Appearance          | Pale Yellow Crystalline Powder |
| 2      | Assay (%a)          | Not less than 98.00% wt basis  |
| 3      | Residue On Ignition | not more than 0.10% wt basis   |
| 4      | Melting Point       | 183- 186 °C                    |
| 5      | Loss on Drying      | not more than 0.30% wt basis   |

Phenothiazine is an organic chemical compound containing nitrogen and sulfur that serves as the core structural base for a major class of first-generation antipsychotic and antiemetic drugs.

It is used as typical antipsychotics (such as chlorpromazine and fluphenazine) to treat schizophrenia, bipolar mania, and severe nausea.

Phenothiazine is also used in veterinary medicine as a worming agent (anthelmintic) and pre-anesthetic tranquilizer in livestock and pets