

**Fuels and Fuel Additives and Lubricants and Anti corrosive Materials; UNSPSC CODE : 1500000**

**Fuels; UNSPSC CODE :1510000**

**Petroleum and distillates; UNSPSC CODE : 15101500**

**Commodity : Benzene; UNSPSC CODE : 15101507**

**Selling Unit : mass-gm**

| S.No.              | Parameters   | Type | Value 1                       | Value 2 | Value 3 | Value 4 | Validation<br>n/<br>Remark | Unit | M | F | G | Demand<br>aggregati<br>on |
|--------------------|--|------|-------------------------------|---------|---------|---------|----------------------------|------|---|---|---|---------------------------|
| <b>REQUIRMENTS</b> |  |      |                               |         |         |         |                            |      |   |   |   |                           |
| 1                  | Chemical formula   | Ch   | C <sub>6</sub> H <sub>6</sub> |         |         |         |                            |      | √ |   |   |                           |
| 2                  | Molecular weight (g/mol)   | N    | 78.11                         |         |         |         |                            |      | √ |   |   |                           |
| 3                  | Grade  | Text |                               |         |         |         |                            |      | √ | √ |   |                           |
| 4                  | Purity (GC)%   | N    | ≥ 99.5                        |         |         |         |                            | %    | √ |   | √ |                           |
| 5                  | Free acid (as HCL)%  | N    | ≤0.001                        |         |         |         |                            | %    | √ | √ | √ |                           |
| 6                  | Lead (Pb)%   | N    | ≤0.000001                     |         |         |         |                            | %    | √ | √ | √ |                           |
| 7                  | Copper (Cu)%   | N    | ≤0.000001                     |         |         |         |                            | %    | √ | √ | √ |                           |
| 8                  | Thiophene (ppm)  | N    | ≤ 1                           |         |         |         |                            | ppm  | √ | √ | √ |                           |
| 9                  | Sulfur compounds (as S)%   | N    | ≤0.005                        |         |         |         |                            | %    | √ | √ | √ |                           |
| 10                 | Water %  | N    | ≤ 0.05                        |         |         |         |                            | %    | √ | √ | √ |                           |
| 11                 | Evaporation residue %  | N    | ≤ 0.001                       |         |         |         |                            | %    | √ | √ | √ |                           |
| 12                 | Physical form of material  | Ch   | Crystal                       | Liquid  | Powder  | Pellets |                            |      | √ | √ | √ |                           |
| 13                 | Colour of material   | Ch   | Text                          |         |         |         |                            |      | √ |   |   |                           |
| <b>Packing</b>     |  |      |                               |         |         |         |                            |      |   |   |   |                           |
| 14                 | The material shall be packed as agreed to between the purchaser and the supplier | CH   | YES                           |         |         |         |                            |      | √ |   |   |                           |
| 15                 | Packing size (in gm)   | N    | 500                           | 1000    |         |         |                            |      | √ | √ | √ |                           |

| Marking             |   |    |     |    |   |   |  |  |  |   |   |   |
|---------------------|---|----|-----|----|---|---|--|--|--|---|---|---|
| 16                  | The packages shall be legibly marked with the following information :<br>a)Name and grade of the material; b)Net mass of the material; c)Year of manufacture;<br>d)Manufacturer's name or his recognized trade-mark, if any; and e)Batch number, to enable the batch of manufacture to be traced from records | CH | YES |    |   |   |  |  |  | v |   |   |
| Shelf Life          |   |    |     |    |   |   |  |  |  |   |   |   |
| 17                  | Shelf Life (years)  | N  | 1   | 2  | 3 | 4 |  |  |  | v | v | v |
| Test Report Details |   |    |     |    |   |   |  |  |  |   |   |   |
| 18                  | Availability of Test Report from Central Govt/NABL/ILAC accredited lab to prove conformity to specification   | Ch | Yes | No |   |   |  |  |  | v | v |   |
| 19                  | Test Report to be submitted to the Buyer on Demand write NA if Test report is not available   | Ch | Yes | NA |   |   |  |  |  | v | v |   |