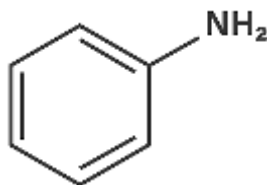


TIQ-F-QC-003

Rev.00

**Technical Data Sheet****ANILINE 99,5 % AR**

Aminobenzene; Benzenamine



|                   |                                               |                  |             |
|-------------------|-----------------------------------------------|------------------|-------------|
| Product Code      | B-3012                                        | Grade            | AR          |
| Purity            | 99,5%                                         | CAS No           | 62-53-3     |
| Molecular Formula | C <sub>6</sub> H <sub>5</sub> NH <sub>2</sub> | Molecular Weight | 93.13 g/mol |
| H.S.Code          | 2921.41 10                                    | Shelf Life       | 60 Months   |

**Physical Properties**

|                                                       |                        |                                    |                    |
|-------------------------------------------------------|------------------------|------------------------------------|--------------------|
| Physical state at 20 °C                               | Liquid                 | Colour                             | Colourless         |
| Boiling Point                                         | 184 °C                 | Melting Point/ Freezing point (°C) | -6°C               |
| Vapour Density                                        | 3.22                   | Flash point                        | 70 °C              |
| Solubility in water                                   | Soluble                | Vapour pressure (20 °C)            | 0.37 mmHg at 20 °C |
| Explosion limits-lower (%)                            | 1.30 %                 | Density (g/cm <sup>3</sup> )       | 1.022              |
| Auto ignition temperature (°C)                        | 615°C                  | Explosion limits – upper (%)       | 23%                |
| Partition coefficient Log Pow octanol / water at 20°C | 0.91                   | Evaporation rate                   | <1                 |
| pH value                                              | 8.8 at 36 g/l at 20 °C |                                    |                    |

**Packaging**

500 ml

**Specification**

|                                                   |                                                                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appearance                                        | colorless, oily, yellowish, transparent liquid, tending to be darker after being stocked ( colorless to dark yellow, colorless to dark brown -yellow, darkens to a reddish-brown color on storage |
| Assay (GC)                                        | min 99.5 %                                                                                                                                                                                        |
| Water ( H <sub>2</sub> O by KF )                  | max 0.2 %                                                                                                                                                                                         |
| Wt.per.ml at 20 °C                                | 1.021 – 1.023 g/cm <sup>3</sup>                                                                                                                                                                   |
| Non-volatile matter                               | max 0.005 %                                                                                                                                                                                       |
| Chlorobenzene ( C <sub>6</sub> H <sub>5</sub> Cl) | max 0.01 %                                                                                                                                                                                        |

|                               |                                   |
|-------------------------------|-----------------------------------|
| Hydrocarbon                   | passes test                       |
| Nitrobenzene ( $C_6H_5NO_2$ ) | passes test (limit about 0.01 % ) |
| Copper (Cu)                   | max 0.00005 %                     |
| Iron (Fe)                     | max 0.0001 %                      |

## Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08, GHS09

Signal Word: Danger

UN No.: 1547

IMCO Class No.: 6.1

Packing Group: II

Hazardous Statement: H301+H311+ H331-H317-H318 -H341-H351-H372-H410

Precaution Statement: P201- P261-P273-P280-P301 + P310+P330