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## *Typical Data*

Properties	SPECIFICATION	TEST METHOD
Appearance 30 °C	Clear liquid	Visual
Aniline Purity, %wt.	Min 99.8	GC/ 1-2.93-I015
Nitrobenzene, ppm by weight	Max 5.0	GC/ 1-2.9.3-I013
Water, %wt.	Max 0.2	GC/ 1-2.9.3-I005
Freezing point	-6.2 °C	GC/ 1-2.9.3-N015
Color, APHA	Max 100	GC/ 1-2.9.3-I006

Note: The current manufacturing technology of Aniline is based on the Hydrogenation of Nitrobenzene

### Product Description

Aniline is an organic compound with the formula  $C_6H_5NH_2$ . Consisting of a phenyl group attached to an amino group, aniline is the prototypical aromatic amine. Its main use is in the manufacture of precursors to polyurethane and other industrial chemical.

### General Information

Licensor: Chematur Engineering (CEAB), Sweden

. Producer: Karun Petrochemical

### Typical Application

Aniline is used to manufacture:

- Aniline has various uses - it is used to prepare other chemical substances to make polymers. It is
- used in the dye industry as well.
- Aniline is predominantly used as hardener in polymer industries.
- Aniline is predominantly used as a solvent, and has been used as an antiknock compound for gasoline.



# ATLAS PETRO

Unit 553, 5th floor, office entrance 5, Eternal Tower, 21st Century, Qarni Boulevard, Mashhad

## Packaging

In 220 lit (200 kg Net.) new steel drum, each 4 drums strapped on a wooden pallet.

## Handling and storage conditions

Prior to working with Aniline, you should be trained on its proper handling and storage. Aniline reacts violently with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE) and STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC) and may cause fires and explosions.

Store in tightly closed containers in a cool, well-ventilated area away from AIR, LIGHT and COPPER. Sources of ignition, such as smoking and open flames, are prohibited where Aniline is used, handled, or stored in a manner that could create a potential fire or explosion hazard. Aniline attacks RUBBER, PLASTIC, and COATINGS.

