



Indian Standard on Aniline IS 2833:2019

Aniline is the simplest aromatic amine, also known as amino benzene or phenyl amine. Its chemical formula is $C_6H_5NH_2$. It is a musty, fishy-smelling, colourless to slightly yellow, greasy liquid, and it is derived from benzene through a process of nitration and reduction. It is primarily used in the manufacture of dyes, pharmaceuticals, rubber and plastics.

Consumers, particularly industries relying on aniline have clear expectations regarding product like Purity, other quality parameters, packing & storage guideline.

The Indian Standard IS 2833:2019 prescribes the requirements and the methods of sampling and test for aniline, technical.

The Standard defines purity of aniline and it's testing by Gas chromatography and Nitrile value, ensuring that aniline used in industrial processes meets required purity levels. This is crucial for industries such as textiles and pharmaceuticals, where high purity is essential for consistent product quality.

The standard incorporates packing and storage guideline which helps mitigate the health risks associated with aniline's toxicity, ensuring that workers and consumers are protected.

The standard sets performance parameters like Relative density, Crystallizing point, Distillation range, Nitrobenzene content, Moisture content, that ensure aniline's effectiveness in its various applications, such as dyeing and chemical manufacturing.

The standard helps maintain the reliability and consistency of the product, addressing consumer's needs for predictable outcomes.

The Government of India has brought Aniline under mandatory compliances of BIS Certification and order shall come into force on the 3rd August, 2025.