

IS 8050: 2018 - Alpha Picoline Specification

This standard specifies the requirements, sampling methods, and testing procedures for alpha picoline, a methyl pyridine isomer used primarily in chemical manufacturing. Alpha picoline is a clear to yellow liquid with a strong characteristic odor, fully miscible with water. The standard outlines key quality requirements, including:

Alpha Picoline Content: Minimum 99% by mass

Boiling Range (Specified at 760 mm Hg): 2 to 97 percent by volume shall distil between a range of 128.0 to 131.0°C

Moisture Content: Max 0.25 % by mass

Alpha picoline, also known as α -picoline, is a versatile chemical intermediate used in the production of various compounds, including picolinic acid, 2-vinyl pyridine, 2-pyridylethanol, and pyridine 2-aldehyde. Its miscibility with water and organic solvents makes it valuable in industries such as pharmaceuticals, agrochemicals, and latex manufacturing. Additionally, it serves as a solvent in the dyestuff industry and finds extensive use in the synthesis of 2-vinylpyridine, its largest single derivative.