

IS 16112: 2013 Beta Picoline – Specification

Beta Picoline, also known as 3-picoline, is a nitrogen-containing heterocyclic compound with the molecular formula C_6H_7N . It is one of the five isomeric forms of picoline, distinguished by the position of the nitrogen atom in the pyridine ring. Beta picoline is primarily used as an intermediate in the synthesis of various chemicals, including agricultural products, pharmaceuticals, and food additives. Its properties make it valuable in the production of pyridine derivatives and as a solvent in organic reactions.

In addition to its industrial applications, beta picoline has garnered attention for its potential biological activities. Research indicates that it may exhibit antioxidant properties and has been investigated for its role in supporting certain metabolic processes. Despite its beneficial uses, handling beta picoline requires caution, as it can be irritating to the skin and respiratory tract.

This standard prescribes the requirements and methods of sampling and test for Beta Picoline. Various physico-chemical properties including purity and various impurities such as other isomeric forms of picoline, pyridine, moisture content, etc. and their test methods have been stipulated in the standard.