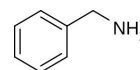




TECHNICAL DATA SHEET

Product name: Benzylamine



Specifications

Parameters	Specifications	Typical results
Appearance	Clear colourless to light amber liquid	Clear colourless liquid
Identification By HPLC	The retention time of the principal peak obtained with the substance to be examined corresponds to that of reference standard	Complies
Odour	Characteristic, strong amine like odour	Complies
Moisture content	NMT 0.3%	0.17%
Purity by Chromatography	NLT 99.0%	99.4%

Stability and storage:

Benzylamine is generally considered stable under normal conditions, but it can be susceptible to oxidative degradation, particularly at higher temperatures.

Benzylamine should be stored in a cool, dry, and well-ventilated area, away from incompatible materials like acids and oxidizing agents. It's crucial to keep containers tightly sealed and stored upright to prevent leaks. To maintain its stability, benzylamine should ideally be stored below 30°C. If storing for extended periods, a nitrogen blanket is recommended due to its slow oxidation in air.

Application Areas:

Benzylamine is a key intermediate in the production of several active pharmaceutical ingredients (APIs) like alniditan, lacosamide, moxifloxacin, and nebivolol. It's also used in the synthesis of certain antifungal agents.

Benzylamine is used in the production of crop protection agents.

Benzylamine is also used as a corrosion inhibitor and in the production of certain dyes and polymers.

It acts as a building block for various organic compounds, including N-heterocycles, benzonitriles, and benzamides

Used as additives and solvents in the coatings industry.

General information

CAS No. : 100-46-9
 IUPAC Name : 1-phenylmethanamine
 Synonyms : Phenylmethanamine
 EC No : 202-854-1

Physical/Chemical properties:

Molecular Formula : C7H9N
 Molecular weight : 107.15
 Density : 0.981g/ml
 Boiling Point : 185 °C
 Flash point : 65 °C
 Physical state at 20°C : Liquid

Solubility : Methanol And Toluene

Hazard classification & labelling:

Single Word : Danger

Pictogram :



Classification according to Regulation (EC) No 1272/2008: : H302, H312, H314

Precautionary statement(s) : P260, P264, P270, P280, P301+P312, P301+P330+P331, P302+P352, P501, P303+P361+P353, P304+P340, P405, P305+P351+P338, P310, P312, P321, P322, P330, P363