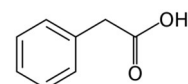




TECHNICAL DATA SHEET

Product name: Phenyl Acetic Acid



Specifications

Parameters	Specifications	Typical results
Appearance	White coloured Powder	White coloured Powder
Odour	Sweet honey like	Sweet honey like
Melting point	NLT 76 °C	76 °C
Assay	Min. 99.0%	99.63%

Stability and storage

Storage conditions: Cool, tightly closed. Dry.

Storage class : Combustible Solids

Recommended storage temperature is 2-8°C (35-46°F), it's generally advised to keep it in a cool place, avoiding excessive heat.

Moisture: Phenylacetic acid is hygroscopic, meaning it absorbs moisture from the air. Therefore, it's crucial to keep the container tightly closed and store it in a dry area.

Application Areas

Applications:

Phenylacetic acid is used in some perfumes, as it possesses a honey-like odor even in low concentrations

It is also used in penicillin G production and diclofenac production. . It can be used as a fixative agent, helping to prolong the fragrance of other scents.

Phenylacetic acid is a metabolite of phenylalanine and can accumulate in individuals with phenylketonuria.

Phenylacetic acid is used in the preparation of and derived from several pharmaceutical drugs, including camylofin, bendazol, triafungin, phenacemide, lorcaïnide, phenindione, phenelzine and cyclopentolate

General information:

CAS No.	: 103-82-2
IUPAC Name	: 2-phenylethanoic acid : benzeneacetic acid
Synonyms	: α -toluic acid
EC No	: 203-148-6

Physical/Chemical properties

Molecular Formula	: C ₈ H ₈ O ₂
Molecular weight	: 136.15
Melting point	: 76-77°C
Boiling Point	: 265.6°C
Flash Point	: 132°C (close cup)
Density	: 1.08 g/cm ³
Physical state at 20°C	: White Solid

Hazard classification & labelling

Single Word : Danger

Pictogram	:
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Classification according to Regulation (EC) No 1272/2008:

Precautionary statement(s) : P264, P280, P305+P351+P338, P310, P337+P313