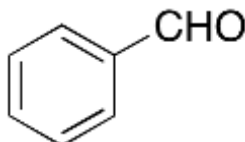


TIQ-F-QC-003
Rev.00**Technical Data Sheet****BENZALDEHYDE 99% AR**

Benzenecarboxaldehyde, Phenyl methanal, Benzoic aldehyde



Product Code	B-3014	Grade	Analytical Reagent
Purity	99%	CAS No	100-52-7
Molecular Formula	C ₇ H ₆ O	Molecular Weight	106,12 g/mol
H.S.Code	2912.2100	Shelf Life	60 Months

Physical Properties

Physical state	Liquid	Melting point	-26 °C
Colour	colourless	Boiling point	178 - 179 °C
pH	5,9 at 20 °C	Flash point	63 °C
Upper explosion limit	8,5 %	Vapour pressure	1,69 hPa at 25 °C
Lower explosion limit	1,4 %	Density	1,045 g/cm3 at 25 °C

Packaging

500 ml

Specification

Appearance	pale yellow coloured liquid with characteristic odour
Assay (GC, area %)	min 99.0 %
Wt. Per ml at 20 °C	1.044 - 1.046 g/cm ³
Refractive index (20°C;589 nm)	1.544 - 1.546 n ²⁰ D
Acidity (as C ₆ H ₅ COOH)	max 0.3 %
Sulphated ash	max 0.01 %
Benzylidene dichloride (C ₇ H ₆ Cl ₂)	max 0.05 %
Ionised chloride (Cl)	max 0.0001%

Safety Information and Hazard Symbols

Symbol: GHS07

Signal Word: warning

UN No.: 1990

IMCO Class No.: 9

Packing Group: III

Hazardous Statement: H302

Precaution Statement: P301+P312-P302+P352-P304+P340+P312-P305+P351+P338-P308+P313

Labotiq