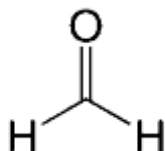


TIQ-F-QC-003
 Rev.00

Technical Data Sheet

FORMALDEHYDE SOLUTION 37 % AR

Formalin solution, Methylaldehyde solution, methanal solution



Product Code	B-3037	Grade	Analytical Reagent
Purity	37%	CAS No	50-00-0
Molecular Formula	HCHO	Molecular Weight	30.03 g/mol
H.S.Code	2912.11000	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear colorless
Odour	Stinging	Melting Point/ Freezing point (°C)	-15°C
Boiling Point	96°C	Flash point (°C)	62°C
pH value	2.8 – 4,0 at 20 °C	Vapour pressure (39 °C)	40 mmHg at 39 °C
Final boiling point (°C)	93 - 96°C	Density (g/cm ³)	1.09 g/cm ³
Vapour Density	1,04	Explosion limits – upper (%)	73%
Partition coefficient: noctanol/water	log Pow: 0.35	Explosion limits – lower(%)	7%
Auto-ignition temperature (°C)	420°C	Evaporation rate	1

Packaging

500 ml & 2500 ml

Specification

Appearance	Clear colorless liquid with strong pungent odor
Assay (Acidimetric after oxidation)	36.5 – 38.0 %
Wt. Per ml at 20 °C	1.075 – 1.090 g/cm ³
Colour	max 10 Hazen
Residu after ignition	max 0.005 %
Acidity (as HCOOH)	max 0.006 meq/g
Chloride (Cl)	max 0.0005 %
Sulphate (SO ₄)	max 0.002 %
Iron (Fe)	max 0.0005 %

Heavy Metals (as Pb)	max 0.0005 %
Methanol (as Stabilized)	8.0 – 12.0 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS06, GHS08

Signal Word: Danger

UN No.: 2209

IMCO Class No.: 8

Packing Group: III

Hazardous Statement: H301-H311-H314-H317-H331-H335-H341-H350+H370

Precaution Statement: P201-P260-P280-P301+P210+P330-P303+P361+P353-P304+P340+P310-P305+P351+P338-P308+P311