

TIQ-F-QC-003
Rev.00**Technical Data Sheet****HYDRIODIC ACID AR**

Hydriotic acid

HI

Product Code	B-3114	Grade	Analytical Reagent
Purity	54 % - 56 %	CAS No	10034-85-2
Molecular Formula	HI	Molecular Weight	127.91 g/mol
H.S.Code	2811.1990	Shelf Life	60 Months

Physical Properties

Physical state	Liquid	Boiling point	127 °C
Colour	Colourless	Density	1.500 g/cm ³
Melting point	-50 °C	Solubility in water	at 20 °C soluble

Packaging

250 ml

Specification

Appearance	A colourless liquid when freshly distilled rapidly becomes yellow to reddish brown through liberation of iodine
Solubility	Miscible with water forming clear solution.
Assay (Acid-base titration)	54.0 - 56.0 %
Non volatile matter	max 0.02 %
Free iodine (I ₂)	max 0.75 %
Chloride & Bromide (Cl)	max 0.05 %
Phosphorous compounds (PO ₄)	max 0.0002 %
Sulphur compounds (SO ₄)	max 0.005 %
Arsenic (As)	max 0.0005 %
Copper (Cu)	max 0.0005 %
Iron (Fe)	max 0.001 %
Heavy metal (as Pb)	max 0.001 %

Safety Information and Hazard Symbols



Symbol: GHS05,GHS09

Signal Word: Danger

UN No.: 1787

IMCO Class No.: 8

Packing Group: II

Hazardous Statement: H290-H314-H411

Precaution Statement: P234-P273-P280-P303+P361+P353-P304+P340+P310-P305+P351+P338