

TIQ-F-QC-003
Rev.00**Technical Data Sheet****HYDROBROMIC ACID 48% AR**

Hydrogen bromide in aqueous solution

HBr

Product Code	A-2034	Grade	Analytical Reagent
Purity	48 %	CAS No	10035-10-6
Molecular Formula	HBr	Molecular Weight	80.91 g/mol
H.S.Code	2811.1990	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Vapour pressure [25°C]	10 hPa at 25 °C
Colour	Light brown	Density	1,49 g/cm ³ at 25 °C
Boiling point [°C]	100 °C at 1.013 hPa	Solubility in water [% weight]	at 20 °C soluble

Packaging

500 ml

Specification

Appearance	A clear, colourless to pale yellow liquid, which becomes brown on storage
Assay (alkalimetric)	47.0 - 49.0 %
Specific gravity	~ 1.5000 g
Arsenic (As)	max 0.00005 %
Chloride (Cl)	max 0.05 %
Heavy metal (as Pb)	max 0.0005 %
Iodide (I)	passes test (approx. 0.003 %)
Iron (Fe)	max 0.0001 %
Organic substances	passes test
Phosphate (PO ₄)	max 0.003 %
Residu on ignition	max 0.003 %
Selenium (Se)	passes test (approx. 0.01 ppm)
Sulphate and Sulphite (as SO ₄)	max 0.003 %

Safety Information and Hazard Symbols



Symbol: GHS05, GHS07

Signal Word: Danger

UN No.: 1788

IMCO Class No.: 8

Packing Group: II

Hazardous Statement: H290-H314-H335

Precaution Statement: P234-P361-P271-P280-P303+P361+P353-P305+P351+P338