

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Hydriodic Acid AR

Catalog Number : B-3114

Batch Number : 3114-00000000

CAS Number : 10034-85-2

Molecular Weight : 127.91 g/mol

Mol. Formula : HI

Expire Date : 36 months



No	Test	Specifications	Results
1	Appearance	A colourless liquid when freshly distilled rapidly becomes yellow to reddish brown through liberation of iodine	Complies
2	Solubility	Miscible with water forming clear solution.	Complies
3	Assay (Acid-base titration)	54.0 - 56.0 %	55.063 %
4	Non volatile matter	max 0.02 %	0.012%
5	Free iodine (I ₂)	max 0.75 %	0.13%
6	Chloride & Bromide (Cl)	max 0.05 %	0.025%
7	Phosphorous compounds (PO ₄)	max 0.0002 %	< 0.0002 %
8	Sulphur compounds (SO ₄)	max 0.005 %	0.0016%
9	Arsenic (As)	max 0.0005 %	0.00021%
10	Copper (Cu)	max 0.0005 %	0.00019%
11	Iron (Fe)	max 0.001 %	0.00049%
12	Heavy metal (as Pb)	max 0.001 %	0.00052%

Corresponds to AR / ACS Grade

LABOTIQ Standard of Product Reference to Analar standard and ACS specification

SUDIRO S.Si.
Manager QC