

HYDROBROMIC ACID (48%)



CAS Number: 10035-10-6

Other Names: Hydrogen bromide

Formula: HBr or BrH

PRODUCT INTRODUCTION

Hydrogen bromide appears as a colorless liquid with a pungent irritating odor. It is miscible with water, alcohol and organic solvents.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Colorless to Yellow Liquid
Color	48 APHA
Specific Gravity 20°C/20°C	1.4970
HBr Content	48.60 Pct
Free Bromine	< 10 ppm
Non-Volatile	18 ppm
Chlorides (as Cl ⁻)	17 ppm
Iodides (as I ⁻)	< 100 ppm
Heavy Metals	< 1 ppm
Iron (as Fe ₂ O ₃)	<1 ppm
Arsenic (as As)	< 0.5 ppm
Sulfates (as SO ₄)	< 10 ppm
Na	4.02 ppm

APPLICATIONS

- Hydrobromic acid is an indispensable raw material for organic intermediates, inorganic pharmaceuticals, photosensitive materials, dyes and medicines.
- It is also used in the production of bromine compounds.
- It is used as an important agent in the industrial processes of isomerization, polymerization, hydration and dehydration and esterification reactions.
- It plays an essential role for the extraction of mercury from the cinnebar ore.

PACKAGING OPTIONS

Drums

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