



山东天一化学股份有限公司
SHANDONG TIANYI CHEMICAL CORPORATION

TEL: 86-13402268900 [Email: arrick@tychemgroup.com](mailto:arrick@tychemgroup.com) FAX:86-536-8865-639

Technical Data Sheet

Product Name: Ammonium Bromide

Formula:	NH ₄ Br
CAS No.:	12124-97-9
Molecular Weight:	97.96
Synonyms:	Sulfamic acid, monoammonium salt; Ammonium Bromide, Granular, Reagent; Identifier; FR-11;
EINECS:	235-183-8
Density:	2.429 g/cm ³
Melting Point:	452 °C (lit.)
Boiling Point:	49.2 °C at 760 mmHg
Flash Point:	
Solubility:	water: 1 M at 20 °C, clear, colorless
Appearance:	white crystals

Usage: It is used of photographic film emulsion, reagent preparation, pharmaceutical preparation, wood preservatives, water treatment and fire retardant additives.

The Spec. of NH₄Br:

Items	Photo First Grade	Photo Second Grade	Medical Grade
Main content	99.5% min	99.5% min	99.0% min
Loss on drying	0.5% max	0.5% max	0.5% max
Water Insoluble	0.005% max	0.01% max	—
Chloride	0.2% max	0.2% max	0.5% max
Iodide	0.001% max	—	—
Sulphate	0.005% max	0.005% max	0.01% max
PH Value (5%)	4.5—6.0	4.5—6.0	4.5—6.0
As	—	—	≤0.0004%
Pb	0.2ppm max	5ppm max	5ppm max



山东天一化学股份有限公司
SHANDONG TIANYI CHEMICAL CORPORATION

TEL: 86-13402268900 [Email: arrick@tychemgroup.com](mailto:arrick@tychemgroup.com) FAX:86-536-8865-639

Fe	0.5ppm max	1ppm max	—
Cu	0.5ppm max	1.0ppm max	—
Bi	0.2ppm max	0.5ppm max	—
Peroxide solution penetrability(250g/l)	93~100 (410nm)	85~100(410nm)	—
Transparency test	Qualified	Qualified	—
Peroxide solution chromaticity(250g/l)	(15.0 Black once)max	—	—
Packing	PP bag with PE inner bag/fibre drum, 25kgs per bag/drum		