

Certificate of Analysis

Product Name:

Bromine for analysis, ACS PurReagent, ≥99.5%

Product No.: PSR37779
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 7726-95-6
Molecular Formula: Br₂
Molecular Weight: 159.81 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Dark Red to Very Dark Red and Red-Brown and very Dark Red-Brown Liquid	Very Dark Red-Brown Liquid
Assay (By Titration)	≥ 99.5 %	99.90 %
Residue on Evaporation	NMT 0.005 %	0.004 %
Non-volatile Matter	NMT 50 ppm	< 50 ppm
Identification by IR	Conforms to Structure	Conforms to Structure
Aluminium (Al)	NMT 0.100 ppm	< 0.100 ppm
Barium (Ba)	NMT 0.100 ppm	< 0.100 ppm
Beryllium (Be)	NMT 0.020 ppm	< 0.020 ppm
Bismuth (Bi)	NMT 0.100 ppm	< 0.100 ppm
Calcium (Ca)	NMT 0.500 ppm	< 0.500 ppm
Cadmium (Cd)	NMT 0.050 ppm	< 0.050 ppm
Chromium (Cr)	NMT 0.050 ppm	< 0.050 ppm
Chlorine (Cl)	NMT 500 ppm	< 500 ppm
Cobalt (Co)	NMT 0.020 ppm	< 0.020 ppm
Copper (Cu)	NMT 0.100 ppm	< 0.100 ppm
Germanium (Ge)	NMT 0.050 ppm	< 0.050 ppm
Heavy Metal (as Pb)	NMT 2 ppm	< 2 ppm
Iodine (I)	NMT 10 ppm	< 10 ppm
Iron (Fe)	NMT 0.500 ppm	< 0.500 ppm
Lithium (Li)	NMT 0.020 ppm	< 0.020 ppm
Magnesium (Mg)	NMT 0.500 ppm	< 0.500 ppm
Manganese (Mn)	NMT 0.020 ppm	< 0.020 ppm
Molybdenum (Mo)	NMT 0.020 ppm	< 0.020 ppm
Nickel (Ni)	NMT 0.100 ppm	< 0.100 ppm
Potassium (K)	NMT 0.100 ppm	< 0.100 ppm
Sodium (Na)	NMT 0.500 ppm	< 0.500 ppm
Strontium (Sr)	NMT 0.020 ppm	< 0.020 ppm

The Certificate of Analysis (COA) is valid only for the lot specified and within the product's shelf life. Retesting is recommended after the expiry date or if storage conditions are compromised. We guarantee a proper quality within our General Conditions of Sales. The conditions are subject to change without prior notice.

For queries on this COA, please contact our technical team at technical@pure-synth.com

Sulfur (S)	NMT 5 ppm	< 5 ppm
Thallium (Tl)	NMT 0.050 ppm	< 0.050 ppm
Titanium (Ti)	NMT 0.100 ppm	< 0.100 ppm
Vanadium (V)	NMT 0.050 ppm	< 0.050 ppm
Zinc (Zn)	NMT 0.100 ppm	< 0.100 ppm
Zirconium (Zr)	NMT 0.100 ppm	< 0.100 ppm

Remarks:

This is to certify that the mentioned batch has been analysed at the time of quality release and has been found to be in compliance with prescribed specifications

The current Specification sheet may be available at www.pure-synth.com

Inspect on receipt

Storage Condition:

Store at a room temperature and keep the container tightly closed.

PureSynth Research Chemicals GmbH

This is electronically-generated copy & is valid without a signature

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