

Certificate of Analysis

Product Name:

Buffer oxide etchant (BOE) 8:1

Product No.: PSR49708
Lot No.: Sample COA
Brand: PureSynth
CAS No.: Mixture
Molecular Formula: NA
Molecular Weight: NA
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless liquid	Colorless liquid
Assay (HF)	4.4 - 4.9 wt%	4.630 wt%
Assay (NH ₄ F)	34 - 38 wt%	36.5 wt%
pH	3.0 - 5.0	3.6
Colour (APHA)	NMT 10	< 7.0
Residue after ignition	NMT 10 ppm	< 3.0 ppm
Chloride (Cl)	NMT 2 ppm	< 1.5 ppm
Nitrate (NO ₃)	NMT 3 ppm	< 2.5 ppm
Sulfate (SO ₄)	NMT 0.5 ppm	< 0.5 ppm
Phosphate (PO ₄)	NMT 0.4 ppm	< 0.4 ppm
Aluminium (Al)	NMT 3.0 ppb	< 1.0 ppb
Barium (Ba)	NMT 1.0 ppb	< 1.0 ppb
Boron (B)	NMT 5.0 ppb	< 1.0 ppb
Cadmium (Ca)	NMT 1.0 ppb	< 1.0 ppb
Calcium (Ca)	NMT 3.0 ppb	< 1.0 ppb
Chromium (Cr)	NMT 2.0 ppb	< 1.0 ppb
Cobalt (Co)	NMT 2.0 ppb	< 1.0 ppb
Copper (Cu)	NMT 5.0 ppb	< 1.0 ppb
Gallium (Ga)	NMT 5.0 ppb	< 1.0 ppb
Germanium (Ge)	NMT 2.0 ppb	< 1.0 ppb
Gold (Au)	NMT 2.0 ppb	< 1.0 ppb
Iron (Fe)	NMT 5.0 ppb	< 1.0 ppb
Lead (Pb)	NMT 2.0 ppb	< 1.0 ppb
Lithium (Li)	NMT 1.0 ppb	< 1.0 ppb
Magnesium (Mg)	NMT 1.0 ppb	< 1.0 ppb
Manganese (Mn)	NMT 2.0 ppb	< 1.0 ppb

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

Test	Specification	Result
Nickel (Ni)	NMT 1.0 ppb	< 1.0 ppb
Potassium (K)	NMT 2.0 ppb	< 1.0 ppb
Silver (Ag)	NMT 1.0 ppb	< 1.0 ppb
Sodium (Na)	NMT 5.0 ppb	< 1.0 ppb
Strontium (Sr)	NMT 1.0 ppb	< 1.0 ppb
Tin (Sn)	NMT 2.0 ppb	< 1.0 ppb
Titanium (Ti)	NMT 5.0 ppb	< 1.0 ppb
Zinc (Zn)	NMT 2.0 ppb	< 1.0 ppb

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

Handling and Storage:

Store at room temperature and keep the container tightly closed. Wash thoroughly after handling. Remove contaminated clothing and wash before re-use. Do not breathe mist or vapor. Do not expose eyes, skin, or clothing. Keep container closed tightly. Avoid contact with combustibles. Do not use with metal tools or items. Use with adequate ventilation or respiratory protection. Do not store near combustibles or in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible substances. Separate from metals, alkali, and organics. Residue in empty containers may still be hazardous.

PureSynth Research Chemicals GmbH

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

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