

Certificate of Analysis

Product Name:

Tetraethyl orthosilicate, PurReagent, 99.999% trace metals basis

Product No.: PSR46982
Lot No.: Sample COA
Brand: PureSynth
CAS No.: 78-10-4
Molecular Formula: C₈H₂₀O₄Si
Molecular Weight: 208.33 g/mol
Date of Mfg.: NA
Date of Exp.: NA

Test	Specification	Result
Appearance	Colorless Liquid	Colorless Liquid
Assay (By GC)	≥ 99.5 %	99.45 %
Assay (Based on Trace metals analysis)	> 99.999 %	Conforms
Trace Metal Analysis	≤ 15.0 ppm	9.2 ppm
Boron (B)	NMT 2.5 ppm	1.3 ppm
Bismuth (Bi)	NMT 5.0 ppm	4.0 ppm
Calcium (Ca)	NMT 0.25 ppm	< 0.1 ppm
Cadmium (Cd)	NMT 0.5 ppm	0.1 ppm
Cobalt (Co)	NMT 0.5 ppm	0.2 ppm
Iron (Fe)	NMT 0.5 ppm	0.2 ppm
Iridium (Ir)	NMT 3.0 ppm	2.2 ppm
Manganese (Mn)	NMT 0.25 ppm	< 0.1 ppm
Lead (Pb)	NMT 2.5 ppm	1.2 ppm
Identification by IR	Conforms to structure	Conforms

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

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 room temperature and keep the container tightly closed

PureSynth Research Chemicals GmbH

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

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