



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-229647
Lot Number: SAMPLE
Product Name: Tris(tert-butoxy)silanol
CAS Number: 18166-43-3
Molecular Formula: $C_{12}H_{28}O_4Si$
Molecular Weight: 264.43

Test	Specification	Result
Appearance	White powder, crystals, crystalline powder	White powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (GC)	$\geq 99.0\%$	99.8%
Purity (Trace Metal Analysis)	$\geq 99.998\%$ (ICP)	100.00%
Trace metal analysis	≤ 20 ppm	2 ppm
Aluminum		9 ppb
Antimony		< 5 ppb
Arsenic		< 5 ppb
Barium		< 5 ppb
Beryllium		< 5 ppb
Bismuth		< 5 ppb
Boron		41 ppb
Cadmium		< 5 ppb
Calcium		15 ppb
Cerium		< 5 ppb
Chloride	≤ 100 ppm (by Ion Chromatography)	69 ppm
Chromium		41 ppb
Cobalt		< 5 ppb
Copper		< 5 ppb

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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Dysprosium	< 5 ppb
Erbium	< 5 ppb
Europium	< 5 ppb
Gallium	< 5 ppb
Germanium	< 5 ppb
Gadolinium	< 5 ppb
Gold	< 5 ppb
Hafnium	45 ppb
Holmium	< 5 ppb
Indium	< 5 ppb
Iron	201 ppb
Iridium	< 5 ppb
Lanthanum	< 5 ppb
Lead	< 5 ppb
Lithium	15 ppb
Lutetium	< 5 ppb
Magnesium	677 ppb
Manganese	< 5 ppb
Mercury	< 5 ppb
Molybdenum	24 ppb
Neodymium	< 5 ppb
Nickel	87 ppb
Niobium	< 5 ppb
Osmium	< 5 ppb
Palladium	< 5 ppb
Platinum	< 5 ppb
Potassium	20 ppb
Praseodymium	< 5 ppb

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Rhenium	< 5 ppb
Rhodium	< 5 ppb
Ruthenium	< 5 ppb
Samarium	< 5 ppb
Silver	< 5 ppb
Sodium	60 ppb
Strontium	< 5 ppb
Tantalum	126 ppb
Tellurium	< 5 ppb
Terbium	< 5 ppb
Tin	< 5 ppb
Titanium	< 5 ppb
Thallium	< 5 ppb
Thorium	< 5 ppb
Thulium	< 5 ppb
Tungsten	219 ppb
Uranium	< 5 ppb
Vanadium	< 5 ppb
Ytterbium	< 5 ppb
Yttrium	< 5 ppb
Zinc	6 ppb
Zirconium	5 ppb

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