



Metallo-Organic Standards

ISO 9001:2015 Registered • ISO/IEC 17025:2005 Accredited • ISO 17034:2016 Accredited

Metallo-Organic Standards

The standards listed are for the determination of metals in oils and lubricants. These products include metals in a light mineral oil (20 cSt) matrix. Other oil and organic solvent matrices are available upon request.

Metallo-Organic Single-Component Standards				
Component	Concentration	Matrix	Weight	Part #
Aluminum	1,000 µg/mL	Mineral Oil	50 g	ALOMS-50
Aluminum	1,000 µg/mL	Mineral Oil	100 g	ALOMS-100
Antimony	1,000 µg/mL	Mineral Oil	50 g	SBOMS-50
Antimony	1,000 µg/mL	Mineral Oil	100 g	SBOMS-100
Arsenic	50 µg/g	Mineral Oil	50 g	ASOMS-50
Arsenic	50 µg/g	Mineral Oil	100 g	ASOMS-100
Barium	1,000 µg/mL	Mineral Oil	50 g	BAOMS-50
Barium	1,000 µg/mL	Mineral Oil	100 g	BAOMS-100
Beryllium	1,000 µg/mL	Mineral Oil	100 g	BEOMS-100
Boron	1,000 µg/mL	Mineral Oil	50 g	BBOMS-50
Boron	1,000 µg/mL	Mineral Oil	100 g	BBOMS-100
Cadmium	1,000 µg/mL	Mineral Oil	50 g	CDOMS-50
Cadmium	1,000 µg/mL	Mineral Oil	100 g	CDOMS-100
Calcium	1,000 µg/mL	Mineral Oil	50 g	CAOMS-50
Calcium	1,000 µg/mL	Mineral Oil	100 g	CAOMS-100
Chromium	1,000 µg/mL	Mineral Oil	50 g	CROMS-50
Chromium	1,000 µg/mL	Mineral Oil	100 g	CROMS-100
Cobalt	1,000 µg/mL	Mineral Oil	100 g	COOMS-100
Copper	1,000 µg/mL	Mineral Oil	50 g	CUOMS-50
Copper	1,000 µg/mL	Mineral Oil	100 g	CUOMS-100
Indium	1,000 µg/mL	Mineral Oil	50 g	INOMS-50
Indium	1,000 µg/mL	Mineral Oil	100 g	INOMS-100
Iron	1,000 µg/mL	Mineral Oil	100 g	FEOMS-100
Lead	1,000 µg/mL	Mineral Oil	100 g	PBOMS-100
Lithium	1,000 µg/mL	Mineral Oil	50 g	LIOMS-50
Lithium	1,000 µg/mL	Mineral Oil	100 g	LIOMS-100
Magnesium	1,000 µg/mL	Mineral Oil	50 g	MGOMS-50
Magnesium	1,000 µg/mL	Mineral Oil	100 g	MGOMS-100
Manganese	1,000 µg/mL	Mineral Oil	50 g	MNOMS-50
Manganese	1,000 µg/mL	Mineral Oil	100 g	MNOMS-100
Mercury	50 µg/g	Mineral Oil	50 g	HGOMS-50
Mercury	50 µg/g	Mineral Oil	100 g	HGOMS-100
Molybdenum	1,000 µg/mL	Mineral Oil	100 g	MOOMS-100
Nickel	1,000 µg/mL	Mineral Oil	50 g	NIOMS-50
Nickel	1,000 µg/mL	Mineral Oil	100 g	NIOMS-100
Phosphorus	1,000 µg/mL	Mineral Oil	50 g	PPOMS-50
Phosphorus	1,000 µg/mL	Mineral Oil	100 g	PPOMS-100
Potassium	1,000 µg/mL	Mineral Oil	50 g	KKOMS-50
Potassium	1,000 µg/mL	Mineral Oil	100 g	KKOMS-100
Selenium	50 µg/g	Mineral Oil	50 g	SEOMS-50
Selenium	50 µg/g	Mineral Oil	100 g	SEOMS-100
Silicon	1,000 µg/mL	Mineral Oil	50 g	SIOMS-50
Silicon	1,000 µg/mL	Mineral Oil	100 g	SIOMS-100

Metallo-Organic Single-Component Standards (cont'd)

Component	Concentration	Matrix	Weight	Part #
Silver	1,000 µg/mL	Mineral Oil	50 g	AGOMS-50
Silver	1,000 µg/mL	Mineral Oil	100 g	AGOMS-100
Sodium	1,000 µg/mL	Mineral Oil	50 g	NAOMS-50
Sodium	1,000 µg/mL	Mineral Oil	100 g	NAOMS-100
Sulfur	1,000 µg/mL	Mineral Oil	50 g	SSOMS-50
Sulfur	1,000 µg/mL	Mineral Oil	100 g	SSOMS-100
Tin	1,000 µg/mL	Mineral Oil	50 g	SNOMS-50
Tin	1,000 µg/mL	Mineral Oil	100 g	SNOMS-100
Titanium	1,000 µg/mL	Mineral Oil	50 g	TIOMS-50
Titanium	1,000 µg/mL	Mineral Oil	100 g	TIOMS-100
Tungsten	1,000 µg/mL	Mineral Oil	100 g	WWOMS-100
Vanadium	1,000 µg/mL	Mineral Oil	50 g	VVOMS-50
Vanadium	1,000 µg/mL	Mineral Oil	100 g	VVOMS-100
Yttrium	1,000 µg/mL	Mineral Oil	50 g	YYOMS-50
Yttrium	1,000 µg/mL	Mineral Oil	100 g	YYOMS-100
Zinc	1,000 µg/mL	Mineral Oil	50 g	ZNOMS-50
Zinc	1,000 µg/mL	Mineral Oil	100 g	ZNOMS-100
Trace Metals	—	Soybean Oil	100 g	CRM-TMSO-100
Base Mineral Oil	—	Light Mineral Oil	500 mL	BMOMS-500

Metallo-Organic Multi-Component Standards

Components	Concentration	Matrix	Weight	Part #
Aluminum, Chromium, Copper, Iron, Lead, Magnesium, Nickel, Silicon, Silver, Sodium, Tin, Titanium	200 µg/g	Mineral Oil	50g	OMS-12-50
			100g	OMS-12-100
Aluminum, Barium, Boron, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Phosphorus, Silicon, Silver, Sodium, Tin, Titanium, Vanadium, Zinc	200 µg/g	Mineral Oil	50g	OMS-21-50
			100g	OMS-21-100
			200g	OMS-21-200

Metal Extraction Customs

We now offer custom standards of metals extracted into various organic solvents. These standards are verified via ICP analysis and come with NIST SRM-traceable Certificates of Analysis.

To obtain a quotation for a metal extracted custom standard, you can use our inorganic quote form available at highpuritystandards.com or contact us at 843.767.7900 or toll free at 866.767.4771 or via email to info@highpuritystandards.com.



Quote Request Form Inorganic Custom Standards

Find this online @ highpuritystandards.com

Return this completed Quote Request Form by e-mail: info@highpuritystandards.com or fax: (843) 767-7906.

Please call us with any instructions, requests or suggestions at (843) 767-7900.

* = Required Field

*Company Name:			*Contact Name:		
*Phone:			*E-mail:		
*Fax:			Preferred Method of Contact:		
Intended Use: <input type="checkbox"/> ICP-OES <input type="checkbox"/> ICP-MS <input type="checkbox"/> Other _____					
*Concentration Units:		*Total Volume Required:		*Bottled As:	
*Desired Matrix/Solvent: (Matrix may change due to compatibility)					

Fill in desired concentration of required elements/components. Use the blank/other fields to fill in any components not listed.

Comp	Conc.	Comp	Conc.	Comp	Conc.	Comp	Conc.	Comp	Conc.
Ag		Er		Mo		Si		Speciated	
Al		Eu		Na		SiO ₂		As+3	
As		Fe		Nb		Sm		As+5	
Au		Ga		Nd		Sn		MMA	
B		Gd		Ni		Sr		DMA	
Ba		Ge		Os		Ta		Cr+6	
Be		Hf		P		Tb		Se+4	
Bi		Hg		Pb		Te		Se+6	
Br		Ho		Pd		Th			
C (Carbon)		I (Iodide)		Pr		Ti		Other	
Ca		In		Pt		Tl (Thallium)			
Cd		Ir		Rb		Tm			
Ce		K		Re		U (depleted)		U (Natural)	
Cl		La		Rh		V			
Co		Li		Ru		W			
Cr*		⁶ Li		S		Y			
Cs		Lu		Sb		Yb			
Cu		Mg		Sc		Zn			
Dy		Mn		Se		Zr			
Special Instructions:									

* Chromium⁺³ measured as total Chromium