

Category: STABILIZED ORGANO-METALLIC SOLUTIONS

Subcategory: LOMS:Concentrated Liquid Organo-Metallic Solutions (Stabilized and Ready for Use)

These concentrated solutions are stabilized with Analytical Services, Inc. proprietary chelation and stabilization solution, and can be used to formulate sets of standards for the analysis of additive elements in lubricating oils; iron, nickel and vanadium in residual oil, and wear metals in oils for X-Ray Fluorescence Spectroscopy (XRF). These organo-metallic solutions can also be used to prepare single element or multi-element standards for plasma emission (ICP or DCP), rotating disk (rotrode), or atomic absorption spectroscopy (AA). The starting materials for the standards are ULTRAPURE REAGENTS and have been certified against NIST SRM'S whenever available. THEY DO NOT CONTAIN PHOSPHORUS OR SULFUR, unless otherwise noted. TRACE IMPURITIES ARE DOCUMENTED ON THE CERTIFICATION OF ANALYSIS.

Table: CONCENTRATED LIQUID ORGANO-METALLIC SOLUTIONS (STABILIZED AND READY FOR USE)

Element	Product Code	Conc. Wt %	100 gms	50 gms	25 gms
Aluminum	IMLOMSAI 3.0	3.0000	\$325.00	\$215.00	\$145.00
Antimony	IMLOMSSb 2.0	2.0000	\$225.00	\$150.00	\$97.50
Barium	IMLOMSBa 12.5	12.500	\$1,000.00	\$650.00	\$450.00
Cadmium	IMLOMSCd 10.0	10.000	\$950.00	\$590.00	\$425.00
Calcium	IMLOMSCa 5.0	5.0000	\$525.00	\$345.00	\$225.00
Cerium	IMLOMSCe 5.0	5.0000	\$525.00	\$345.00	\$225.00
Chromium	IMLOMSCr3.50	3.5000	\$375.00	\$245.00	\$160.00
Cobalt	IMLOMSCo 7.5	7.5000	\$750.00	\$475.00	\$345.00
Copper	IMLOMSCu 6.0	6.0000	\$650.00	\$425.00	\$285.00
Custom	Price Per Gms/Element	0.0000	\$105.00	\$125.00	\$190.00
Iron	IMLOMSFe 4.0	4.0000	\$450.00	\$295.00	\$195.00
Lead	IMLOMSPb 20.0	20.000	\$1,750.00	\$1,050.00	\$750.00
Lithium	IMLOMSLi 1.5	1.5000	\$285.00	\$195.00	\$130.00
Magnesium	IMLOMSMg 3.0	3.0000	\$350.00	\$230.00	\$150.00
Manganese	IMLOMSMn 6.0	6.0000	\$630.00	\$415.00	\$275.00
Molybdenum	IMLOMSMo 5.0	5.0000	\$525.00	\$345.00	\$225.00
Nickel	IMLOMSNi 5.0	5.0000	\$525.00	\$345.00	\$225.00
Phosphorus	IMLOMSP 5.0	5.0000	\$525.00	\$345.00	\$225.00
Potassium	LIMOMSK 7.5	7.5000	\$750.00	\$475.00	\$345.00
Praseodymium	IMLOMSPr 3.0	3.0000	\$375.00	\$200.00	\$145.00
Selenium	IMLOMSSe 3.5	3.5000	\$350.00	\$225.00	\$165.00

Silicon	IMLOMSSi 7.5	7.5000	\$750.00	\$475.00	\$345.00
Sodium	IMLOMSNa 2.5	2.5000	\$350.00	\$230.00	\$150.00
Strontium	IMLOMSSr 10.0	10.0000	\$950.00	\$590.00	\$425.00
Thallium	IMLOMSTI 5.0	5.0000	\$525.00	\$345.00	\$225.00
Tin	IMLOMSSn 7.5	7.5000	\$750.00	\$475.00	\$345.00
Titanium	IMLOMSTi 5.0	5.0000	\$525.00	\$345.00	\$225.00
Vanadium	IMLOMSV 4.0	4.0000	\$450.00	\$295.00	\$195.00
Yttrium	IMLOMSY 2.5	2.5000	\$350.00	\$230.00	\$150.00
Zinc	IMLOMSZn 6.0	6.0000	\$630.00	\$415.00	\$275.00
Zirconium	IMLOMSZr 5.0	5.0000	\$525.00	\$345.00	\$225.00

Category: STABILIZED ORGANO-METALLIC SOLUTIONS

Subcategory: ORGM'S-DILUTE SINGLE-ELEMENT ORGANO-METALLIC OIL STANDARDS

These standards are sulfur free, unless otherwise noted, organo-metallic standards for X-ray Fluorescence (XRF), plasma emission (ICP or DCP), rotating disk (rotrode), or atomic absorption (AA). They are also stabilized with Analytical Services, Inc. proprietary chelation and solution and can be blended together to prepare multi-element standards.

Table: ORGM'S-DILUTE SINGLE-ELEMENT ORGANO-METALLIC OIL STANDARDS

Element	Product Code	Conc. Wt %	100 ml	50 ml
Aluminum	IMORGM-AI0.1	0.1000	\$65.00	\$42.00
Aluminum	IMORGM-AI0.5	0.5000	\$80.00	\$55.00
Antimony	IMORGM-Sb0.1	0.1000	\$65.00	\$42.00
Antimony	IMORGM-Sb0.5	0.5000	\$80.00	\$55.00
Arsenic	IMORGM-As0.1	0.1000	\$65.00	\$42.00
Arsenic	IMORGM-As0.5	0.5000	\$80.00	\$55.00
Barium	IMORGM-Ba0.1	0.1000	\$65.00	\$42.00
Barium	IMORGM-Ba0.5	0.5000	\$80.00	\$55.00
Beryllium	IMORGM-Be0.1	0.1000	\$85.00	\$55.00
Beryllium	IMORGM-Be0.5	0.5000	\$145.00	\$95.00
Cadmium	IMORGM-Cd0.1	0.1000	\$65.00	\$42.00
Cadmium	IMORGM-Cd0.5	0.5000	\$80.00	\$55.00
Calcium	IMORGM-Ca0.1	0.1000	\$65.00	\$42.00
Calcium	IMORGM-Ca0.5	0.5000	\$80.00	\$55.00
Cerium	IMORGM-Ce0.1	0.1000	\$65.00	\$42.00
Cerium	IMORGM-Ce0.5	0.5000	\$80.00	\$55.00

Chromium	IMORGM-Cr0.1	0.1000	\$65.00	\$42.00
Chromium	IMORGM-Cr0.5	0.5000	\$80.00	\$55.00
Cobalt	IMORGM-Co0.1	0.1000	\$65.00	\$42.00
Cobalt	IMORGM-Co0.5	0.5000	\$80.00	\$55.00
Copper	IMORGM-Cu0.1	0.1000	\$65.00	\$42.00
Copper	IMORGM-Cu0.5	0.5000	\$80.00	\$55.00
Gallium	IMORGM-Ga0.1	0.1000	\$95.00	\$55.00
Gallium	IMORGM-Ga0.5	0.5000	\$175.00	\$110.00
Gold	IMORGM-Au0.1	0.1000	\$125.00	\$85.00
Iron	IMORGM-Fe0.1	0.1000	\$65.00	\$42.00
Iron	IMORGM-Fe0.5	0.5000	\$80.00	\$55.00
Lead	IMORGM-Pb0.1	0.1000	\$65.00	\$42.00
Lead	IMORGM-Pb0.5	0.5000	\$80.00	\$55.00
Lithium	IMORGM-Li0.1	0.1000	\$85.00	\$55.00
Lithium	IMORGM-Li0.5	0.5000	\$145.00	\$95.00
Magnesium	IMORGM-Mg0.1	0.1000	\$65.00	\$42.00
Magnesium	IMORGM-Mg0.5	0.5000	\$80.00	\$55.00
Manganese	IMORGM-Mn0.1	0.1000	\$65.00	\$42.00
Manganese	IMORGM-Mn0.5	0.5000	\$80.00	\$55.00
Mercury	IMORGM-Hg0.1	0.1000	\$72.50	\$45.00
Mercury	IMORGM-Hg0.5	0.5000	\$135.00	\$80.00
Molybdenum	IMORGM-Mo0.1	0.1000	\$72.50	\$45.00
Molybdenum	IMORGM-Mo0.5	0.5000	\$135.00	\$80.00
Nickel	IMORGM-Ni0.1	0.1000	\$65.00	\$42.00
Nickel	IMORGM-Ni0.5	0.5000	\$80.00	\$55.00
Phosphorous	IMORGM-P0.1	0.1000	\$65.00	\$42.00
Phosphorous	IMORGM-P0.5	0.5000	\$80.00	\$55.00
Potassium	IMORGM-K0.1	0.1000	\$65.00	\$42.00
Potassium	IMORGM-K0.5	0.5000	\$80.00	\$55.00
Selenium	IMORGM-Se0.1	0.1000	\$65.00	\$42.00
Selenium	IMORGM-Se0.5	0.5000	\$80.00	\$55.00
Silicon	IMORGM-Si0.1	0.1000	\$85.00	\$55.00
Silicon	IMORGM-Si0.5	0.5000	\$145.00	\$95.00
Silver	IMORGM-Ag0.1	0.1000	\$85.00	\$55.00
Silver	IMORGM-Ag0.5	0.5000	\$145.00	\$95.00
Sodium	IMORGM-Na0.1	0.1000	\$65.00	\$42.00

Sodium	IMORGM-Na0.5	0.5000	\$80.00	\$55.00
Strontium	IMORGM-Sr0.1	0.1000	\$65.00	\$42.00
Strontium	IMORGM-Sr0.5	0.5000	\$80.00	\$55.00
Thallium	IMORGM-Tl0.1	0.1000	\$65.00	\$42.00
Thallium	IMORGM-Tl0.5	0.5000	\$80.00	\$55.00
Tin	IMORGM-Sn0.1	0.1000	\$65.00	\$42.00
Tin	IMORGM-Sn0.5	0.5000	\$80.00	\$55.00
Titanium	IMORGM-Ti0.1	0.1000	\$65.00	\$42.00
Titanium	IMORGM-Ti0.5	0.5000	\$80.00	\$55.00
Vanadium	IMORGM-V0.1	0.1000	\$65.00	\$42.00
Vanadium	IMORGM-V0.5	0.5000	\$80.00	\$55.00
Yttrium	IMORGM-Y0.1	0.1000	\$72.50	\$45.00
Yttrium	IMORGM-Y0.5	0.5000	\$135.00	\$80.00
Zinc	IMORGM-Zn0.1	0.1000	\$65.00	\$42.00
Zinc	IMORGM-Zn0.5	0.5000	\$80.00	\$55.00
Zirconium	IMORGM-Zr0.1	0.1000	\$65.00	\$42.00
Zirconium	IMORGM-Zr0.5	0.5000	\$80.00	\$55.00

Category: STABILIZED ORGANO-METALLIC SOLUTIONS

Subcategory: INTERNAL STANDARDS

Table: INTERNAL STANDARDS

Product Code	Product	Method	Description	Individual (100 ml)	Individual (500 ml)	Individual (1 L)
IMBIIS	BISMUTH INTERNAL STANDARD	ASTM 5059	Pb Analysis; Conc. 0.793g Bi/L, 1 per set	\$85.00	\$200.00	\$350.00
IMKIS	POTASSIUM IONIZATION SUPPRESSANT	ASTM D4628	1% Potassium in Mineral Oil, 1 per set	\$90.00	\$215.00	\$345.00
IMMNIS	MANGANESE INTERNAL STANDARD	ISO/CD 14596	Ni and V Analysis; Conc. 0.05%, 1 per set	\$85.00	\$200.00	\$325.00
IMSNIS	TIN INTERNAL STANDARD		6.0%, 1 per set	\$190.00	\$300.00	\$465.00
IMZ RIS-1	ZIRCONIUM INTERNAL STANDARD, LOW RANGE	ISO/CD14597	1% Low Range, Sulfur Analysis, 1 per set	\$40.00	\$180.00	\$305.00
IMZ RIS-16	ZIRCONIUM INTERNAL STANDARD, HIGH RANGE	ISO/CD14597	16% High Range, Sulfur Analysis, 1 per set	\$190.00	\$300.00	\$485.00