

Liquid Organo-Metallic Oil Calibration Standards

DCG has available concentrated and stabilized liquid organo-metallic solutions. These solutions may be diluted, typically with kerosene or light mineral oil, by the end user to form calibration curves or DCG can prepare custom calibration curves manufactured to your specifications. DCG's liquid organo-metallic standards are gravimetrically prepared and have been certified against NIST SRM's when available. DCG's liquid organo-metallic standards do not contain sulfur or phosphorous unless otherwise noted. Part numbers beginning with LOM are available in the following sizes, 100 grams, 50 grams and 25 grams. Part numbers beginning with ORGM are available in 50 mL and 100 mL bottles. Custom standards and calibration curves are available upon request.

DCG's liquid organo-metallic standards may be used for a variety of analytical applications including, but not limited to, the following; 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). Additionally, DCG's liquid organo-metallic standards may be used to prepare single element or multi-element standards for plasma emission (ICP and DCP), rotating disk (rotrode) or atomic absorption spectroscopy (AA).

*Let DCG prepare your custom calibration curve

Element	Part Number	Concentration wt/wt %	Stabilizer required when diluted
Aluminum	DCGORGM-AI 0.1	0.100%	N
Aluminum	DCGORGM-AI 0.5	0.500%	N
Aluminum	DCGLOMSAI 3.0	3.000%	Y
Antimony	DCGORGM-Sb 0.1	0.100%	N
Antimony	DCGORGM-Sb 0.5	0.500%	N
Antimony	DCGLOMSSb 2.0	2.000%	Y

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Arsenic	DCGORGM-As 0.1	0.100%	N
Arsenic	DCGORGM-As 0.5	0.500%	N
Barium	DCGORGM-Ba 0.1	0.100%	N
Barium	DCGORGM-Ba 0.5	0.500%	N
Barium	DCGLOMSBa 12.5	12.50%	Y
Beryllium	DCGORGM-Be 0.1	0.100%	Y
Beryllium	DCGORGM-Be 0.5	0.500%	Y
Cadmium	DCGORGM-Cd 0.1	0.100%	N
Cadmium	DCGORGM-Cd 0.5	0.500%	N
Cadmium	DCGLOMSCd 10.0	10.00%	Y
Calcium	DCGORGM-Ca 0.1	0.100%	N
Calcium	DCGORGM-Ca 0.5	0.500%	N
Calcium	DCGLOMSCa 5.0	5.000%	Y
Cerium	DCGORGM-Ce 0.1	0.100%	N
Cerium	DCGORGM-Ce 0.5	0.500%	N
Cerium	DCGLOMSCe 5.0	5.000%	Y
Chromium	DCGORGM-Cr 0.1	0.100%	N
Chromium	DCGORGM-Cr 0.5	0.500%	N
Chromium	DCGLOMSCr 3.5	3.500%	Y
Cobalt	DCGORGM-Co 0.1	0.100%	N
Cobalt	DCGORGM-Co 0.5	0.500%	N
Cobalt	DCGLOMSCo 7.5	7.500%	Y
Copper	DCGORGM-Cu 0.1	0.100%	N
Copper	DCGORGM-Cu 0.5	0.500%	N
Copper	DCGLOMSCu 6.0	6.000%	N
Gallium	DCGORGM-Ga 0.1	0.100%	N
Gallium	DCGORGM-Ga 0.5	0.500%	N
Gold	DCGORGM-Au 0.1	0.100%	Y
Iron	DCGORGM-Fe 0.1	0.100%	N
Iron	DCGORGM-Fe 0.5	0.500%	N
Iron	DCGLOMSFe 4.0	4.000%	Y
Lead	DCGORGM-Pb 0.1	0.100%	N
Lead	DCGORGM-Pb 0.5	0.500%	N
Lead	DCGLOMSPb 20.0	20.00%	Y

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Lithium	DCGORGM-Li 0.1	0.100%	N
Lithium	DCGORGM-Li 0.5	0.500%	N
Lithium	DCGLOMSLi 1.5	1.500%	Y
Magnesium	DCGORGM-Mg 0.1	0.100%	N
Magnesium	DCGORGM-Mg 0.5	0.500%	N
Magnesium	DCGLOMSMg 3.0	3.000%	Y
Manganese	DCGORGM-Mn 0.1	0.100%	N
Manganese	DCGORGM-Mn 0.5	0.500%	N
Manganese	DCGLOMSMn 6.0	6.000%	Y
Mercury	DCGORGM-Hg 0.1	0.100%	N
Mercury	DCGORGM-Hg 0.5	0.500%	N
Molybdenum	DCGORGM-Mo 0.1	0.100%	N
Molybdenum	DCGORGM-Mo 0.5	0.500%	N
Molybdenum	DCGLOMSMo 6.0	6.000%	Y
Nickel	DCGORGM-Ni 0.1	0.100%	N
Nickel	DCGORGM-Ni 0.5	0.500%	N
Nickel	DCGLOMSNi 5.0	5.000%	Y
Phosphorous	DCGORGM-Po 0.1	0.100%	N
Phosphorous	DCGORGM-Po 0.5	0.500%	N
Phosphorus	DCGLOMSP 5.0	5.000%	N
Potassium	DCGORGM-P 0.1	0.100%	N
Potassium	DCGLOMSK 7.5	7.500%	Y
Praseodymium	DCGORGM-Pr 3.0	3.000%	Y
Selenium	DCGORGM-Se 0.1	0.100%	N
Selenium	DCGORGM-Se 0.5	0.500%	N
Selenium	DCGLOMSSe 3.5	3.500%	Y
Silicon	DCGORGM-Si 0.1	0.100%	N
Silicon	DCGORGM-Se 0.5	0.500%	N
Silicon	DCGLOMSSi 7.5	7.500%	N
Silver	DCGORGM-Ag 0.1	0.100%	N
Silver	DCGORGM-Ag 0.5	0.500%	N
Sodium	DCGORGM-Na 0.1	0.100%	N
Sodium	DCGORGM-Na 0.5	0.500%	N
Sodium	DCGLOMSNa 2.5	2.500%	Y

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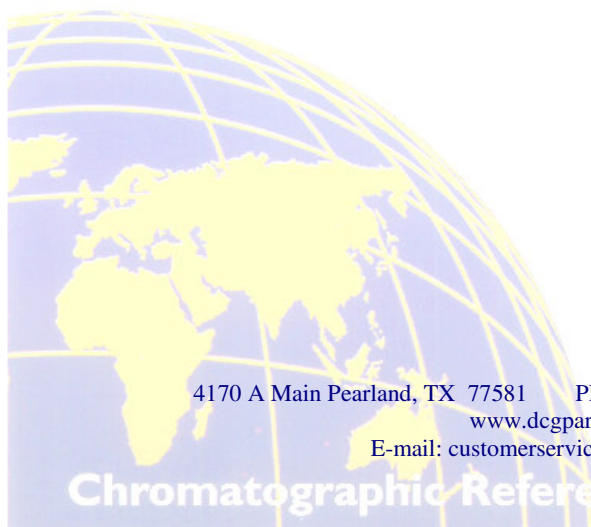
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Strontium	DCGORGM-Sr 0.1	0.100%	N
Strontium	DCGORGM-Sr 0.5	0.500%	N
Strontium	DCGLOMSSr 10.0	10.00%	Y
Thallium	DCGORGM-Tl 0.1	0.100%	N
Thallium	DCGORGM-Tl 0.5	0.500%	N
Thallium	DCGLOMSTl 5.0	5.000%	Y
Tin	DCGORGM-Sn 0.1	0.100%	N
Tin	DCGORGM-Sn 0.5	0.500%	N
Tin	DCGLOMSSn 7.5	7.500%	Y
Titanium	DCGORGM-Ti 0.1	0.100%	N
Titanium	DCGORGM-Ti 0.5	0.500%	N
Titanium	DCGLOMSTi 5.0	5.000%	Y
Vanadium	DCGORGM-V 0.1	0.100%	N
Vanadium	DCGORGM-V 0.5	0.500%	N
Vanadium	DCGLOMSV 4.0	4.000%	Y
Yttrium	DCGORGM-V 0.1	0.100%	N
Yttrium	DCGORGM-V 0.5	0.500%	N
Yttrium	DCGLOMSY 2.5	4.000%	Y
Zinc	DCGORGM-Zn 0.1	0.100%	N
Zinc	DCGORGM-Zn 0.5	0.500%	N
Zinc	DCGLOMSZn 6.0	6.000%	Y
Zirconium	DCGORGM-Zr 0.1	0.100%	N
Zirconium	DCGORGM-Zr 0.5	0.500%	N
Zirconium	DCGLOMSZr 5.0	5.000%	N



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