

Metallo-Organic Standards

Single-element, S-Series and AM Specials

Conostan Metallo-Organic certified reference materials were designed for use with ICP, Rotrode, XRF, and other instruments during the determination of trace metals in organic materials.

Conostan Metallo-Organic standards deliver the consistent composition and performance you need for essential calibration standards, QC checks or internal standards. To simplify sample preparation, single element standards are available light mineral oil (20 cSt), which makes them suitable for direct ICP injection. Multi-element standards are available in heavy mineral oil (75 cSt) for enhanced stability. Providing convenience and ease-of-use, this

product family also includes pre-configured element blends, aligned with industry applications. These multi-element standards are available at a range of concentrations to eliminate the risk of dilution errors.

Key Features

- ▶ 41 elements available as single-element or multi-element blends
- ▶ One year shelf life from the date of shipment
- ▶ Custom products available to meet your unique application requirements



Conostan Metallo-Organics standards are a leading brand of elements in oil matrix CRMs and are trusted by industry leaders and government agencies worldwide. Contact us today to learn more.

Single-element standards

Size: 50g, Blended in 20 cSt blank oil

Element	1000 ppm	5000 ppm
Ag	150-100-475	150-500-475
As	150-100-335	---
Al	150-100-135	150-500-135
B	150-100-055	150-500-055
Ba	150-100-565	150-500-565
Be	150-100-045	150-500-045
Bi	150-100-835	150-500-835
Ca	150-100-205	150-500-205
Cd	150-100-485	150-500-485
Ce	150-100-585	150-500-585
Co	150-100-275	150-500-275
Cr	150-100-245	150-500-245
Cu	150-100-295	150-500-295
Fe	150-100-265	150-500-265
In	150-100-495	150-500-495
K	150-100-195	150-500-195
La	150-100-575	150-500-575

Element	2000 ppm
Sc	150-500-215

Element	1000 ppm	5000 ppm
Li	150-100-035	150-500-035
Mg	150-100-125	150-500-125
Mn	150-100-255	150-500-255
Mo	150-100-425	150-500-425
Na	150-100-115	150-500-115
Ni	150-100-285	150-500-285
P	150-100-155	150-500-155
Pb	150-100-825	150-500-825
Sb	150-100-515	150-500-515
Si	150-100-145	150-500-145
Sn	150-100-505	150-500-505
Sr	150-100-385	150-500-385
Ti	150-100-225	150-500-225
V	150-100-235	150-500-235
W	150-100-745	150-500-745
Y	150-100-395	150-500-395
Zn	150-100-305	150-500-305



Size: 100g, Blended in 75 cSt blank oil

Element	100 ppm
As	150-101-331
Hg	150-101-801
Se	150-101-341

Yttrium blended in 75 cSt blank oil

Size	1000 ppm	5000 ppm
50 g	150-102-395	150-503-395
100 g	150-102-391	150-503-391
200 g	150-102-392	150-503-392
400 g	150-102-393	150-503-393

Multi-element standards

S-Series blended in 75 cSt blank oil

	S-12 Standards Ag, Al, Cr, Cu, Fe, Mg, Na, Ni, Pb, Si, Sn, Ti	S-21 Standards Ag, Al, B, Ba, Ca, Cd, Cr, Cu, Fe, Mg, Mn, Mo, Na, Ni, P, Pb, Si, Sn, Ti, V, Zn		S-26 Standards Ag, Al, B, Ba, Bi, Ca, Cd, Cr, Cu, Fe, In, Li, K, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Si, Sn, Ti, V, Zn		
Nominal ppm	100 g	100 g	200 g	100 g	200 g	400 g
10	150-012-001	150-021-002	150-021-018			
30	150-012-004	150-021-008	150-021-027	150-026-001	150-026-010	150-026-020
50	150-012-006	150-021-010	150-021-030	150-026-002	150-026-011	150-026-021
100	150-012-002	150-021-003	150-021-019	150-026-003	150-026-012	150-026-022
300	150-012-005	150-021-009	150-021-028			
500	150-012-007	150-021-011	150-021-031	150-026-004	150-026-013	150-026-023
900	150-012-008	150-021-015	150-021-035			

Additional sizes and concentrations available.

S-21 blended in 20 cSt blank oil

ppm	100g	200g
5	150-121-001	150-121-020
10	150-121-002	150-121-021
25	150-121-003	150-121-022
3	150-121-004	150-121-023
50	150-121-005	150-121-024

ppm	100g	200g
100	150-121-006	150-121-025
200	150-121-007	150-121-026
300	150-121-008	150-121-027
500	150-121-009	150-121-028
900	150-121-010	150-121-029

AM Special Standards, Ba, Ca, Mg, P, Zn

ppm	100 g	200 g	400 g
900	150-250-014	150-250-027	150-250-004
1000	150-250-006	150-250-016	150-250-001

Additional Multi-element Standards.

Ca, K, Mg, Na, P blended in 75cSt blank oil

ppm	100 g	200g	400g
2.5	150-253-001	150-253-002	150-253-003
5	150-253-011	150-253-012	150-253-013
10	150-253-021	150-253-022	150-253-023
100	150-253-031	150-253-032	150-253-033
200	150-253-041	150-253-042	150-253-043
500	150-253-051	150-253-052	150-253-053
1000	150-253-101	150-253-102	150-253-103
5000	150-253-501	150-253-502	150-253-503

