

PRIMARY STANDARD
SOLUTIONS CERTIFIED (CRM)

ICP

ICP-MS

AAS

GC

ION Chromatography



HIGHT PURITY REAGENTS AND ACIDS
REFERENCE MATERIALS (CRM)



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CRM STANDARD for ICP, ICP-MS, AAS

1. Solution primary CRM Standards 1g/l ou 10g/ ASTASOL®, for ICP, AAS, HCl, HNO₃, H₂O matrix. Packing 500 ml or 100 ml

Order No.	Description Element		Concentration (g/l)	Starting material and its purity	Matrix (%v/v)	Volume ml	Packing material
CZ 90011N1	Silver	Ag	1.000 ± 0.002	Ag 99.999	2% HNO ₃	100	glass
CZ 90011N5			1.000 ± 0.002	Ag 99.999	2% HNO ₃	500	glass
CZ 900110N1			10.00 ± 0.02	Ag 99.999	2% HNO ₃	100	glass
CZ 90021C1	Aluminium	Al	1.000 ± 0.002	Al 99.999	5% HCl	100	HDPE
CZ 90021C5			1.000 ± 0.002	Al 99.999	5% HCl	500	HDPE
CZ 900210C1			10.00 ± 0.02	Al 99.999	5% HCl	100	HDPE
CZ 90021N1			1.000 ± 0.002	Al 99.999	5% HNO ₃	100	HDPE
CZ 90021N5			1.000 ± 0.002	Al 99.999	5% HNO ₃	500	HDPE
CZ 900210N1			10.00 ± 0.02	Al 99.999	5% HNO ₃	100	HDPE
CZ 90031N1	Arsenic	As	1.000 ± 0.002	As 99.999	2% HNO ₃	100	HDPE
CZ 90031N5			1.000 ± 0.002	As 99.999	2% HNO ₃	500	HDPE
CZ 900310N1			10.00 ± 0.02	As 99.999	2% HNO ₃	100	HDPE
CZ 90041C1	Gold	Au	1.000 ± 0.002	Au 99.998	5% HCl	100	Glass
CZ 900410C1			10.00 ± 0.02	Au 99.998	5% HCl	100	Glass
CZ 90051H1	Boron	B	1.000 ± 0.002	H ₃ BO ₃ 99.99	H ₂ O	100	HDPE
CZ 90051H5			1.000 ± 0.002	H ₃ BO ₃ 99.99	H ₂ O	500	HDPE
CZ 900510H1			10.00 ± 0.02	H ₃ BO ₃ 99.99	H ₂ O	100	HDPE
CZ 90061N1	Barium	Ba	1.000 ± 0.002	BaCO ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90061N5			1.000 ± 0.002	BaCO ₃ 99.999	2% HNO ₃	500	HDPE
CZ 900610N1			10.00 ± 0.02	BaCO ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90061C1			1.000 ± 0.002	BaCO ₃ 99.999	2% HCl	100	HDPE
CZ 90061C5			1.000 ± 0.002	BaCO ₃ 99.999	2% HCl	500	HDPE
CZ 900610C1			10.00 ± 0.02	BaCO ₃ 99.999	5% HCl	100	HDPE
CZ 90071N1	Beryllium	Be	1.000 ± 0.002	BeO 99.99	2% HNO ₃	100	HDPE
CZ 900710N1			10.00 ± 0.02	BeO 99.99	2% HNO ₃	100	HDPE
CZ 90081N1	Bismuth	Bi	1.000 ± 0.002	Bi 99.999	5% HNO ₃	100	HDPE
CZ 90081N5			1.000 ± 0.002	Bi 99.999	5% HNO ₃	500	HDPE
CZ 900810N1			10.00 ± 0.02	Bi 99.999	5% HNO ₃	100	HDPE
CZ 90091N1	Calcium	Ca	1.000 ± 0.002	CaCO ₃ 99.995	2% HNO ₃	100	HDPE
CZ 90091N5			1.000 ± 0.002	CaCO ₃ 99.995	2% HNO ₃	500	HDPE
CZ 900910N1			10.00 ± 0.02	CaCO ₃ 99.995	2% HNO ₃	100	HDPE
CZ 90091C1			1.000 ± 0.002	CaCO ₃ 99.995	2% HCl	100	HDPE
CZ 90091C5			1.000 ± 0.002	CaCO ₃ 99.995	2% HCl	500	HDPE
CZ 900910C1			10.00 ± 0.02	CaCO ₃ 99.995	5% HCl	100	HDPE
CZ 90101N1	Cadmium	Cd	1.000 ± 0.002	Cd 99.999	2% HNO ₃	100	HDPE
CZ 90101N5			1.000 ± 0.002	Cd 99.999	2% HNO ₃	500	HDPE
CZ 901010N1			10.00 ± 0.02	Cd 99.999	2% HNO ₃	100	HDPE
CZ 90101C1			1.000 ± 0.002	Cd 99.999	2% HCl	100	HDPE
CZ 90101C5			1.000 ± 0.002	Cd 99.999	2% HCl	500	HDPE
CZ 901010C1			10.00 ± 0.02	Cd 99.999	5% HCl	100	HDPE
CZ 90111N1	Cerium	Ce	1.000 ± 0.002	CeO ₂ 99.99	5 % HNO ₃	100	HDPE
CZ 901110N1			10.00 ± 0.02	CeO ₂ 99.99	5% HNO ₃	100	HDPE
CZ 90121N1	Cobalt	Co	1.000 ± 0.002	Co 99.995	2% HNO ₃	100	HDPE
CZ 90121N5			1.000 ± 0.002	Co 99.995	2% HNO ₃	500	HDPE
CZ 901210N1			10.00 ± 0.02	Co 99.995	2% HNO ₃	100	HDPE
CZ 90121C1			1.000 ± 0.002	Co 99.995	2% HCl	100	HDPE
CZ 90121C5			1.000 ± 0.002	Co 99.995	2% HCl	500	HDPE
CZ 901210C1			10.00 ± 0.02	Co 99.995	5% HCl	100	HDPE
CZ 90131C1	Chromium	Cr	1.000 ± 0.002	Cr 99.995	2% HCl	100	HDPE
CZ 90131C5			1.000 ± 0.002	Cr 99.995	2% HCl	500	HDPE
CZ 901310C1			10.00 ± 0.02	Cr 99.995	5% HCl	100	HDPE
CZ 90131N1			1.000 ± 0.002	Cr(NO ₃) ₃ .9H ₂ O 99.99+	2% HNO ₃	100	HDPE

CZ 90131N5			1.000 ± 0.002	Cr(NO ₃) ₃ .9H ₂ O 99.99+	2% HNO ₃	500	HDPE
CZ 901310N1			10.00 ± 0.02	Cr(NO ₃) ₃ .9H ₂ O 99.99+	2% HNO ₃	100	HDPE
CZ 90141H1	Cesium	Cs	1.000 ± 0.002	CsCl 99.999	H ₂ O	100	HDPE
CZ 901410H1			10.00 ± 0.02	CsCl 99.999	H ₂ O	100	HDPE
CZ 90141N1			1.000 ± 0.002	CsNO ₃ 99.999	2% HNO ₃	100	HDPE
CZ 901410N1			10.00 ± 0.02	CsNO ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90151N1	Copper	Cu	1.000 ± 0.002	Cu 99.999	2% HNO ₃	100	HDPE
CZ 90151N5			1.000 ± 0.002	Cu 99.999	2% HNO ₃	500	HDPE
CZ 901510N1			10.00 ± 0.02	Cu 99.999	2% HNO ₃	100	HDPE
CZ 90151C1			1.000 ± 0.002	Cu 99.999	2% HCl	100	HDPE
CZ 90151C5			1.000 ± 0.002	Cu 99.999	2% HCl	500	HDPE
CZ 901510C1			10.00 ± 0.02	Cu 99.999	2% HCl	100	HDPE
CZ 90161N1	Dysprosium	Dy	1.000 ± 0.002	Dy ₂ O ₃ 99.99+	2% HNO ₃	100	HDPE
CZ 901610N1			10.00 ± 0.02	Dy ₂ O ₃ 99.99+	2% HNO ₃	100	HDPE
CZ 90171N1	Erbium	Er	1.000 ± 0.002	Er ₂ O ₃ 99.99+	2% HNO ₃	100	HDPE
CZ 901710N1			10.00 ± 0.02	Er ₂ O ₃ 99.99+	2% HNO ₃	100	HDPE
CZ 90181N1	Europium	Eu	1.000 ± 0.002	Eu ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 901810N1			10.00 ± 0.02	Eu ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90191N1	Iron	Fe	1.000 ± 0.002	Fe 99.999	2% HNO ₃	100	HDPE
CZ 90191N5			1.000 ± 0.002	Fe 99.999	2% HNO ₃	500	HDPE
CZ 901910N1			10.00 ± 0.02	Fe 99.999	5% HNO ₃	100	HDPE
CZ 90191C1			1.000 ± 0.002	Fe 99.999	5% HCl	100	HDPE
CZ 90191C5			1.000 ± 0.002	Fe 99.999	5% HCl	500	HDPE
CZ 901910C1			10.00 ± 0.02	Fe 99.999	5% HCl	100	HDPE
CZ 90201N1	Gallium	Ga	1.000 ± 0.002	Ga 99.999	2% HNO ₃	100	HDPE
CZ 902010N1			10.00 ± 0.02	Ga 99.999	2% HNO ₃	100	HDPE
CZ 90211N1	Gadolinium	Gd	1.000 ± 0.002	Gd ₂ O ₃ 99.995	2% HNO ₃	100	HDPE
CZ 902110N1			10.00 ± 0.02	Gd ₂ O ₃ 99.995	2% HNO ₃	100	HDPE
CZ 90221FN1	Germanium	Ge	1.000 ± 0.002	Ge 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 902210FN1			10.00 ± 0.02	Ge 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 90231FN1	Hafnium	Hf	1.000 ± 0.002	Hf 99.9	1% HF + 5% HNO ₃	100	HDPE
CZ 902310FN1			10.00 ± 0.02	Hf 99.9	1% HF + 5% HNO ₃	100	HDPE
CZ 90241N1	Mercury	Hg	1.000 ± 0.002	Hg 99.999+	2% HNO ₃	100	glass
CZ 90241N5			1.000 ± 0.002	Hg 99.999+	2% HNO ₃	500	glass
CZ 902410N1			10.00 ± 0.02	Hg 99.999+	2% HNO ₃	100	glass
CZ 90251N1	Holmium	Ho	1.000 ± 0.002	Ho ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 902510N1			10.00 ± 0.02	Ho ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90261N1	Indium	In	1.000 ± 0.002	In 99.999	2% HNO ₃	100	HDPE
CZ 902610N1			10.00 ± 0.02	In 99.999	2% HNO ₃	100	HDPE
CZ 90271C1	Iridium	Ir	1.000 ± 0.002	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl	100	glass
CZ 902710C1			10.00 ± 0.02	(NH ₄) ₂ IrCl ₆ 99.998	5% HCl	100	Glass
CZ 90281H1	Potassium	K	1.000 ± 0.002	KCl 99.999	H ₂ O	100	HDPE
CZ 90281H5			1.000 ± 0.002	KCl 99.999	H ₂ O	500	HDPE
CZ 902810H1			10.00 ± 0.02	KCl 99.999	H ₂ O	100	HDPE
CZ 90281N1			1.000 ± 0.002	KNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90281N5			1.000 ± 0.002	KNO ₃ 99.99	2% HNO ₃	500	HDPE
CZ 902810N1			10.00 ± 0.02	KNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90291N1	Lanthanum	La	1.000 ± 0.002	La ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 902910N1			10.00 ± 0.02	La ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90301C1	Lithium	Li	1.000 ± 0.002	Li ₂ CO ₃ 99.997	2% HCl	100	HDPE
CZ 90301C5			1.000 ± 0.002	Li ₂ CO ₃ 99.997	2% HCl	500	HDPE
CZ 903010C1			10.00 ± 0.02	Li ₂ CO ₃ 99.997	5% HCl	100	HDPE
CZ 90301N1			1.000 ± 0.002	Li ₂ CO ₃ 99.997	2% HNO ₃	100	HDPE
CZ 90301N5			1.000 ± 0.002	Li ₂ CO ₃ 99.997	2% HNO ₃	500	HDPE
CZ 903010N1			10.00 ± 0.02	Li ₂ CO ₃ 99.997	2% HNO ₃	100	HDPE
CZ 90311N1	Lutetium	Lu	1.000 ± 0.002	Lu ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 903110N1			10.00 ± 0.02	Lu ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90321N1	Magnesium	Mg	1.000 ± 0.002	Mg 99.99	2% HNO ₃	100	HDPE
CZ 90321N5			1.000 ± 0.002	Mg 99.99	2% HNO ₃	500	HDPE
CZ 903210N1			10.00 ± 0.02	Mg 99.99	2% HNO ₃	100	HDPE
CZ 90321C1			1.000 ± 0.002	Mg 99.99	2% HCl	100	HDPE
CZ 90321C5			1.000 ± 0.002	Mg 99.99	2% HCl	500	HDPE
CZ 903210C1			10.00 ± 0.02	Mg 99.99	5% HCl	100	HDPE
CZ 90331N1	Manganese	Mn	1.000 ± 0.002	Mn 99.98	2% HNO ₃	100	HDPE
CZ 90331N5			1.000 ± 0.002	Mn 99.98	2% HNO ₃	500	HDPE

CZ 903310N1			10.00 ± 0.02	Mn 99.98	2% HNO ₃	100	HDPE
CZ 90331C1			1.000 ± 0.002	Mn 99.98	2% HCl	100	HDPE
CZ 90331C5			1.000 ± 0.002	Mn 99.98	2% HCl	500	HDPE
CZ 903310C1			10.00 ± 0.02	Mn 99.98	5% HCl	100	HDPE
CZ 90341A1	Molybden	Mo	1.000 ± 0.002	Mo 99.999	2% NH ₄ OH	100	HDPE
CZ 90341A5			1.000 ± 0.002	Mo 99.999	2% NH ₄ OH	500	HDPE
CZ 903410A1			10.00 ± 0.02	Mo 99.999	2% NH ₄ OH	100	HDPE
CZ 90351H1	Sodium	Na	1.000 ± 0.002	NaCl 99.995	H ₂ O	100	HDPE
CZ 90351H5			1.000 ± 0.002	NaCl 99.995	H ₂ O	500	HDPE
CZ 903510H1			10.00 ± 0.02	NaCl 99.995	H ₂ O	100	HDPE
CZ 90351N1			1.000 ± 0.002	NaNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90351N5			1.000 ± 0.002	NaNO ₃ 99.99	2% HNO ₃	500	HDPE
CZ 903510N1			10.00 ± 0.02	NaNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90361FN1	Niobium	Nb	1.000 ± 0.002	Nb 99.9+	1% HF + 5% HNO ₃	100	HDPE
CZ 903610FN1			10.00 ± 0.02	Nb 99.9+	1% HF + 5% HNO ₃	100	HDPE
CZ 90371N1	Neodymium	Nd	1.000 ± 0.002	Nd ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 903710N1			10.00 ± 0.02	Nd ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90381N1	Nickel	Ni	1.000 ± 0.002	Ni 99.999	2% HNO ₃	100	HDPE
CZ 90381N5			1.000 ± 0.002	Ni 99.999	2% HNO ₃	500	HDPE
CZ 903810N1			10.00 ± 0.02	Ni 99.999	2% HNO ₃	100	HDPE
CZ 90381C1			1.000 ± 0.002	Ni 99.999	2% HCl	100	HDPE
CZ 90381C5			1.000 ± 0.002	Ni 99.999	2% HCl	500	HDPE
CZ 903810C1			10.00 ± 0.02	Ni 99.999	5% HCl	100	HDPE
CZ 90391C1	Osmium	Os	1.000 ± 0.002	(NH ₄) ₂ OsCl ₆ 99.998	5% HCl	100	glass
CZ 903910C1			10.00 ± 0.02	(NH ₄) ₂ OsCl ₆ 99.998	5% HCl	100	glass
CZ 90401S1	Phosphorus	P	1.000 ± 0.002	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄	100	HDPE
CZ 90401S5			1.000 ± 0.002	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄	500	HDPE
CZ 904010S1			10.00 ± 0.02	NH ₄ H ₂ PO ₄ 99.999	0.05% H ₂ SO ₄	100	HDPE
CZ 90411N1	Lead	Pb	1.000 ± 0.002	Pb 99.999	2% HNO ₃	100	HDPE
CZ 90411N5			1.000 ± 0.002	Pb 99.999	2% HNO ₃	500	HDPE
CZ 904110N1			10.00 ± 0.02	Pb 99.999	2% HNO ₃	100	HDPE
CZ 90421C1	Palladium	Pd	1.000 ± 0.002	Pd 99.999	5% HCl	100	glass
CZ 904210C1			10.00 ± 0.02	Pd 99.999	5% HCl	100	glass
CZ 90431N1	Praseodymium	Pr	1.000 ± 0.002	Pr ₆ O ₁₁ 99.999	2% HNO ₃	100	HDPE
CZ 904310N1			10.00 ± 0.02	Pr ₆ O ₁₁ 99.999	2% HNO ₃	100	HDPE
CZ 90441C1	Platinum	Pt	1.000 ± 0.002	Pt 99.995	5% HCl	100	glass
CZ 904410C1			10.00 ± 0.02	Pt 99.995	5% HCl	100	glass
CZ 90451H1	Rubidium	Rb	1.000 ± 0.002	RbCl 99.98	H ₂ O	100	HDPE
CZ 904510H1			10.00 ± 0.02	RbCl 99.98	H ₂ O	100	HDPE
CZ 90451N1			1.000 ± 0.002	RbNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 904510N1			10.00 ± 0.02	RbNO ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90461H1	Rhenium	Re	1.000 ± 0.002	NH ₄ ReO ₄ 99.999	H ₂ O	100	HDPE
CZ 904610H1			10.00 ± 0.02	NH ₄ ReO ₄ 99.999	H ₂ O	100	HDPE
CZ 90471C1	Rhodium	Rh	1.000 ± 0.002	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl	100	glass
CZ 904710C1			10.00 ± 0.02	(NH ₄) ₃ RhCl ₆ 99.99	5% HCl	100	glass
CZ 90481C1	Ruthenium	Ru	1.000 ± 0.002	(NH ₄) ₂ RuCl ₆ 99.95	5% HCl	100	glass
CZ 904810C1			10.00 ± 0.02	(NH ₄) ₂ RuCl ₆ 99.95	5% HCl	100	glass
CZ 90491H1	Sulphur	S	1.000 ± 0.002	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	100	HDPE
CZ 904910H1			10.00 ± 0.02	(NH ₄) ₂ SO ₄ 99.999	H ₂ O	100	HDPE
CZ 90501C1	Antimony	Sb	1.000 ± 0.002	Sb 99.999	10% HCl	100	HDPE
CZ 90501C5			1.000 ± 0.002	Sb 99.999	10% HCl	500	HDPE
CZ 905010C1			10.00 ± 0.02	Sb 99.999	10% HCl	100	HDPE
CZ 90501FN1			1.000 ± 0.002	Sb 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 90501FN5			1.000 ± 0.002	Sb 99.999	1% HF + 5% HNO ₃	500	HDPE
CZ 905010FN1			10.00 ± 0.02	Sb 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 90511N1	Selenium	Se	1.000 ± 0.002	Se 99.999	2% HNO ₃	100	HDPE
CZ 905110N1			10.00 ± 0.02	Se 99.999	2% HNO ₃	100	HDPE
CZ 90521N1	Scandium	Sc	1.000 ± 0.002	Sc ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 905210N1			10.00 ± 0.02	Sc ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90531H1	Silicon	Si	1.000 ± 0.002	Na ₂ SiO ₃ 99.9	H ₂ O	100	HDPE
CZ 90531H5			1.000 ± 0.002	Na ₂ SiO ₃ 99.9	H ₂ O	500	HDPE
CZ 905310H1			10.00 ± 0.02	Na ₂ SiO ₃ 99.9	H ₂ O	100	HDPE
CZ 90531F1			1.000 ± 0.002	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF	100	HDPE
CZ 90531F5			1.000 ± 0.002	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF	500	HDPE

CZ 905310F1			10.00 ± 0.02	(NH ₄) ₂ SiF ₆ 99.99	0.05% HF	100	HDPE
CZ 90541N1	Samarium	Sm	1.000 ± 0.002	Sm ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 905410N1			10.00 ± 0.02	Sm ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90551C1	Tin	Sn	1.000 ± 0.002	Sn 99.999	10% HCl	100	HDPE
CZ 90551C5			1.000 ± 0.002	Sn 99.999	10% HCl	500	HDPE
CZ 905510C1			10.00 ± 0.02	Sn 99.999	20% HCl	100	HDPE
CZ 90551FN1			1.000 ± 0.002	Sn 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 90551FN5			1.000 ± 0.002	Sn 99.999	1% HF + 5% HNO ₃	500	HDPE
CZ 905510FN1			10.00 ± 0.02	Sn 99.999	1% HF + 5% HNO ₃	100	HDPE
CZ 90561N1	Strontium	Sr	1.000 ± 0.002	SrCO ₃ 99.995	2% HNO ₃	100	HDPE
CZ 90561N5			1.000 ± 0.002	SrCO ₃ 99.995	2% HNO ₃	500	HDPE
CZ 905610N1			10.00 ± 0.02	SrCO ₃ 99.995	2% HNO ₃	100	HDPE
CZ 90561C1			1.000 ± 0.002	SrCO ₃ 99.995	2% HCl	100	HDPE
CZ 90561C5			1.000 ± 0.002	SrCO ₃ 99.995	2% HCl	500	HDPE
CZ 905610C1			10.00 ± 0.02	SrCO ₃ 99.995	5% HCl	100	HDPE
CZ 90571FN1	Tantalum	Ta	1.000 ± 0.002	Ta 99.98	1% HF + 5% HNO ₃	100	HDPE
CZ 905710FN1			10.00 ± 0.02	Ta 99.98	1% HF + 5% HNO ₃	100	HDPE
CZ 90581N1	Terbium	Tb	1.000 ± 0.002	Tb ₄ O ₇ 99.999	2% HNO ₃	100	HDPE
CZ 905810N1			10.00 ± 0.02	Tb ₄ O ₇ 99.999	2% HNO ₃	100	HDPE
CZ 90591C1	Tellurium	Te	1.000 ± 0.002	Te 99.999	20% HCl	100	HDPE
CZ 90591C5			1.000 ± 0.002	Te 99.999	20% HCl	100	HDPE
CZ 905910C1			10.00 ± 0.02	Te 99.999	20% HCl	100	HDPE
CZ 90601N1	Thorium	Th	1.000 ± 0.002	ThO ₂ 99.95	5% HNO ₃	100	HDPE
CZ 906010N1			10.00 ± 0.02	ThO ₂ 99.95	5% HNO ₃	100	HDPE
CZ 90611FN1	Titanium	Ti	1.000 ± 0.002	Ti 99.98	1% HF + 5% HNO ₃	100	HDPE
CZ 90611FN5			1.000 ± 0.002	Ti 99.98	1% HF + 5% HNO ₃	500	HDPE
CZ 906110FN1			10.00 ± 0.02	Ti 99.98	1% HF + 5% HNO ₃	100	HDPE
CZ 90621N1	Thallium	Tl	1.000 ± 0.002	TlNO ₃ 99.9995	2% HNO ₃	100	HDPE
CZ 90621N5			1.000 ± 0.002	TlNO ₃ 99.9995	2% HNO ₃	500	HDPE
CZ 906210N1			10.00 ± 0.02	TlNO ₃ 99.9995	2% HNO ₃	100	HDPE
CZ 90631N1	Thulium	Tm	1.000 ± 0.002	Tm ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 906310N1			10.00 ± 0.02	Tm ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90641N1	Uranium	U	1.000 ± 0.002	U ₃ O ₈ 99.95	2% HNO ₃	100	HDPE
CZ 906410N1			10.00 ± 0.02	U ₃ O ₈ 99.95	2% HNO ₃	100	HDPE
CZ 90651N1	Vanadium	V	1.000 ± 0.002	NH ₄ VO ₃ 99.95+	2% HNO ₃	100	HDPE
CZ 90651N5			1.000 ± 0.002	NH ₄ VO ₃ 99.95+	2% HNO ₃	500	HDPE
CZ 906510N1			10.00 ± 0.02	NH ₄ VO ₃ 99.95+	2% HNO ₃	100	HDPE
CZ 90661A1	Tungsten	W	1.000 ± 0.002	W 99.99+	2% NH ₄ OH	100	HDPE
CZ 90661A5			1.000 ± 0.002	W 99.99+	2% NH ₄ OH	500	HDPE
CZ 906610A1			10.00 ± 0.02	W 99.99+	2% NH ₄ OH	100	HDPE
CZ 90671N1	Yttrium	Y	1.000 ± 0.002	Y ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 906710N1			10.00 ± 0.02	Y ₂ O ₃ 99.999	2% HNO ₃	100	HDPE
CZ 90681N1	Ytterbium	Yb	1.000 ± 0.002	Yb ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 906810N1			10.00 ± 0.02	Yb ₂ O ₃ 99.99	2% HNO ₃	100	HDPE
CZ 90691N1	Zinc	Zn	1.000 ± 0.002	Zn 99.999	2% HNO ₃	100	HDPE
CZ 90691N5			1.000 ± 0.002	Zn 99.999	2% HNO ₃	500	HDPE
CZ 906910N1			10.00 ± 0.02	Zn 99.999	2% HNO ₃	100	HDPE
CZ 90691C1			1.000 ± 0.002	Zn 99.999	2% HCl	100	HDPE
CZ 90691C5			1.000 ± 0.002	Zn 99.999	2% HCl	500	HDPE
CZ 906910C1			10.00 ± 0.02	Zn 99.999	5% HCl	100	HDPE
CZ 90701FN1	Zirconium	Zr	1.000 ± 0.002	Zr 99.98	1% HF + 5% HNO ₃	100	HDPE
CZ 907010FN1			10.00 ± 0.02	Zr 99.98	1% HF + 5% HNO ₃	100	HDPE

2. **Primary Multi elements CRM ASTASOL®**, 100 ml for ICP, AAS,
Ref

