

LOTTO 3 - STANDARD INORGANICI [1]														
Base d'asta € 65.000,00 al 90 % (almeno 95 articoli su 106)														
N° gruppo	Gruppo	PRODOTTO (molecola interessata o principio attivo)	SOLVENTE	Concentrazione/purezza richiesta	Confezioni richieste	Volume in ml	Codice articolo richiesto	Codice articolo offerto	Concentrazione/purezza richiesta	Volume in ml	Confezioni richieste	Prezzo unitario offerto	Prezzo confezione offerta	Prezzo totale (prezzo confezione x confezioni richieste)
1	ANIONI	Soluzione Cloruri ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	40	125	ICC-002							
		Soluzione Solfato ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	40	125	ICC-006							
		Soluzione Nitrato ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	35	125	ICC-004							
		Soluzione Solfito ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	10	125	LM24-OP-4002883							
		Nitrogen total standard solution	acqua	2,5 µg/ ml	5	300	ICUS-0001236-1X500ML							
		Nitrogen total standard solution	acqua	12 µg/ ml	4	300	ICUS-0001238-1X500ML							
		Nitrogen total standard solution	acqua	100 µg/ ml	5	300	ICUS-0001240-1X500ML							
		Mix Custom Standard 3 analiti, varie concentrazioni: Cloriti 10 Clorati 50 Bromati 2,0	acqua	CHLORITE 10µg/ml, BROMATE 2,0 µg/ml, CHLORATE 50µg/ml	5	125	CUS-117456-29							
		Minerals 9 analiti (alcalinità, conducibilità, pH, chloride, fluoride, sulfate, nitrate, sodium, potassium), indicativamente con i seguenti livelli: alcalinità 100 mg/l; conducibilità 500 umhos/cm; pH 9 a 25 °C; chloride 40 mg/l; fluoride 3 mg/l; sulfate 50 mg/l; nitrate come N 6-7 mg/l; sodium 85 mg/l; potassium 40 mg/l.	acqua	variabile	5	500	QCI-710							
		Multi Element Standard Solution (F-, CL-, NO2-, BR-, NO3-,PO4--.,SO4--.), indicativamente con i seguenti livelli: F- 2.5 MG/L; CL- 10 MG/L; NO2-, Br-, NO3-, 5 MG/L CIASCUNO; PO4--., SO4- ENTRAMBI 20 MG/L.	acqua	CONCENTRAZIONE VARIABILE: DA 5 A 30 MG/L	10	250	ICUS-7418-1X250 ML							
		Soluzione Nitriti ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	15	125	ICC-007							
		Soluzione Clorati ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	10	125	ICC-011							

		Soluzione Cianuri ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	10	125	ICC-008						
		Soluzione Bromuri ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	5	125	ICC-001						
		Soluzione Bromati ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	10	125	ICC-010						
		Soluzione Ioduri ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ ml	5	125	ICC-020						
		Multi Element Standard Solution (F-, CL-, NO3-, SO4-)	acqua	CONCENTRAZIONI : F 1 mg/L; Cl 250 mg/L; NO3 50 mg/l ; SO4 250 mg/L	35	250	ICUS-4153-1X250 ML						
		Fosfato (crom. Ion.)	acqua	1000 µg/ml	10	125	ICC-005						
		Soluzione Cloriti ION CROMATOGRAPHY	acqua	Cloriti 1000 µg/ml - ≥ 99%	15	125	ICC-012						
		Soluzione Fluoruri ION CROMATOGRAPHY Standard Solution	acqua	1000 µg/ml	10	125	ICC-003						
		Mix Custom Standard 3 analiti, varie concentrazioni: Cloriti 10 Clorati 50 Bromati 2,5	acqua	CHLORITE 10µg/ml, BROMATE 2,5 µg/ml, CHLORATE 50µg/ml	10	125	CUS-117456-19						
		Sodio	acqua	1000 µg/ml	1	125	ICC-107						
		SODIUM STD x ICP	acido nitrico diluato (2- 5%)	10'000 µg/ml	5	125	ICP-111						
		Potassio	acqua	1000 µg/ml	5	125	ICC-106						
		POTASSIO STD x ICP	acido nitrico diluato (2- 5%)	1000 µg/ml	2	125	ICP-119						
		Magnesio	acqua	1000 µg/ml	2	125	ICC-105						
		MAGNESIO STD x ICP	acido nitrico diluato (2- 5%)	10.000 µg/ml	5	125	ICP-112						
		Calcio	acqua	1000 µg/ml	2	125	ICC-103						
		CALCIUM STD x ICP	acido nitrico diluato (2- 5%)	10'000 µg/ml	2	125	ICP-120						

2	CATIONI	Stronzio	acqua	1000 µg/ml	1	500	LM24-OP-4002782							
		STRONTIUM STD x ICP	acido nitrico diluito (2-5%)	1000 µg/ml	1	125	ICP-038							
		Litio	acqua	1000 µg/ml	1	500	LM24-OP-4002740							
		LITIUM STD x ICP	acido nitrico diluito (2-5%)	1000 µg/ml	5	125	ICP-003							
		Ammonio (NH4)	acqua	1000 µg/ml	15	125	ICC-101							
		Mix 6 cationi (es. 59384 di Absolute Standards)	acqua	Li 20µg/ml; Na 20µg/ml; NH4 20µg/ml; K 20µg/ml; Mg 40µg/ml; Ca 40µg/ml	10	125	ICUS-3983-1X125ML							
		Standard multielementari per ICP-MS: Ca= 1000 mg/L, Mg= 1000 mg/L, Na= 1000 mg/L, K= 100 mg/L	acido nitrico diluito (2-5%)	Ca= 1000 mg/L, Mg= 1000 mg/L, Na= 1000 mg/L, K= 100 mg/L	10	100	ICUS-4273-1X100ML							
		Standard multielementari per ICP-MS: Ca= 20000 mg/L, Mg= 10000 mg/L, Na= 20000 mg/L, K= 2000 mg/L	acido nitrico diluito (2-5%)	Ca= 20000 mg/L, Mg= 10000 mg/L, Na= 20000 mg/L, K= 2000 mg/L	5	100	ICUS-4272-1X100ML							
3	PARAMETRI CHIMICI FISICI: CONDUCIBILITA', DUREZZA, PH	CONDUCTIVITY Standard 147 µS/cm RS	acqua	147 µS/cm	10	500	IBF-560							
		CONDUCTIVITY Standard 500 µS/cm RS	acqua	500 µS/cm	5	500	IBF-505							
		CONDUCTIVITY Standard 1413 µS/cm RS	acqua	1413 µS/cm	45	500	IBF-570							
		CONDUCTIVITY Standard 20000 µS/cm RS	acqua	20000 µS/cm	10	500	GB12006313							
		CONDUCTIVITY Standard 12880 µS/cm NIST	acqua	12880 µS/cm	15	500	IBF-580							
		CONDUCTIVITY Standard 50000 µS/cm RS	acqua	50000 µS/cm	1	500	GB12006323							
		Durezza totale indicativamente con i seguenti livelli: Calcio 65 mg/l; Magnesio 15 mg/l;	acqua	Durezza totale indicativamente 225 mg/L	5	500	QCI-720							
		Buffer solution Ph 7 RS	acqua	PH 7	2	500	IBF-070							
		Buffer solution Ph 4 RS	acqua	PH 4	2	500	IBF-040							

		Buffer solution Ph 10 RS	acqua	PH 10	2	500	IBF-100							
4	TOC	Soluzione TOC	acqua	100 mg/L	6	500	IQC-103-5							
		Soluzione TOC	acqua	5 mg/L	5	500	ICUS-4288-1X500ML							
		Soluzione TOC	acqua	1 mg/L	15	500	IQC-107-5							
		Soluzione TOC	acqua	50 mg/L	3	500	IQC-102-5							
5	COD	STD COD	acqua	1000 µg/ml COD	10	300	ICUS-1492-1X250ML							
		Standard multielementari per ICP-MS: Al = 5 mg/l, Sb = 0.1 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.1 mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 1 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l.	acido nitrico diluito (2-5%)	Al = 5 mg/l, Sb = 0.1 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.1 mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 1 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l.	1	100	042814-600							
		Standard multielementari per ICP-MS: Al = 20 mg/l, Sb = 0.5 mg/l, As = 2.5 mg/l, Ba = 20 mg/l, Be = 2.5 mg/l, B = 20 mg/l, Cd = 0.5 mg/l, Cr = 2.5 mg/l, Co = 2.5 mg/l, Cu = 20 mg/l, Fe = 20 mg/l, Pb = 2.5 mg/l, Li = 20 mg/l, Mn = 20 mg/l, Ni = 2.5 mg/l, P = 20 mg/l.	acido nitrico diluito (2-5%)	Al = 20 mg/l, Sb = 0.5 mg/l, As = 2.5 mg/l, Ba = 20 mg/l, Be = 2.5 mg/l, B = 20 mg/l, Cd = 0.5 mg/l, Cr = 2.5 mg/l, Co = 2.5 mg/l, Cu = 20 mg/l, Fe = 20 mg/l, Pb = 2.5 mg/l, Li = 20 mg/l, Mn = 20 mg/l, Ni = 2.5 mg/l, P = 20 mg/l.	1	100	040914-065							
		Standard multielementari per ICP-MS: Al = 5 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.04 mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 0.5 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l, Se = 1 mg/l, Sn = 1 mg/l, Sr = 5 mg/l, Ti = 1 mg/l, Tl = 1 mg/l, V = 1 mg/l, Zn = 10 mg/l	acido nitrico diluito (2-5%)	Al = 5 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.04 mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 0.5 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l, Se = 1 mg/l, Sn = 1 mg/l, Sr = 5 mg/l, Ti = 1 mg/l, Tl = 1 mg/l, V = 1 mg/l, Zn = 10 mg/l	10	125	ICUS-5486-1X125ML							

6	STANDARD METALLI MULTIELEMENTAR I	Standard multielementari per ICP-MS: Al = 20 mg/l, As = 2.5 mg/l, Ba = 20 mg/l, Be = 2.5 mg/l, B = 20 mg/l, Cd = 0.5mg/l, Cr = 2.5 mg/l, Co = 2.5 mg/l, Cu =20 mg/l, Fe = 20 mg/l, Pb = 2.5 mg/l, Li = 20 mg/l, Mn = 20 mg/l, Ni = 2.5 mg/l, P = 20 mg/l, Se = 2.5 mg/l, Sn =2.5 mg/l, Sr = 20 mg/l, Ti =2.5 mg/l, V =2.5 mg/l, Zn = 20 mg/l	acido nitrico diluito (2-5%)	Al = 20 mg/l, As = 2.5 mg/l, Ba = 20 mg/l, Be = 2.5 mg/l, B = 20 mg/l, Cd = 0.5mg/l, Cr = 2.5 mg/l, Co = 2.5 mg/l, Cu =20 mg/l, Fe = 20 mg/l, Pb = 2.5 mg/l, Li = 20 mg/l, Mn = 20 mg/l, Ni = 2.5 mg/l, P = 20 mg/l, Se = 2.5 mg/l, Sn =2.5 mg/l, Sr = 20 mg/l, Ti =2.5 mg/l, V =2.5 mg/l, Zn = 20 mg/l	5	125	ICUS-4575-1X125ML							
		EPA method 6020a calibration standard 22 analiti in acido nitrico diluito: (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, silver, sodium, thallium, vanadium, zinc)	acido nitrico diluito (2-5%)	20 µg/ml	1	125	ICM-630							
		ICP-MS Calibration Standard #2 29 analiti: (aluminum, arsenic,barium, beryllium, bismuth,cadmium, calcium, cesium,chromium,cobalt, copper, gallium, indium, iron, lead, lithium, mgnesium, manganese, nickel, potassium, rubidium, selenium, silver, sodium, strontium, thallium, uranium, vanadium, zinc)	acido nitrico diluito (2-5%)	10 µg/ml	3	125	IMS-102							
		Calibration Standard ICP-OES: (B, Ba, Fe, P, Sr = 100 mg/l) + (Be, Cr, Cu, Ni = 20 mg/l) + (Al, Pb = 50 mg/l) + (Mn, Zn = 10 mg/l) + Cd = 5 mg/l	acqua	(B, Ba, Fe, P, Sr = 100 mg/l) + (Be, Cr, Cu, Ni = 20 mg/l) + (Al, Pb = 50 mg/l) + (Mn, Zn = 10 mg/l) + Cd = 5 mg/l	5	250	ICUS-5472-1X250ML							
		Lab fortiFYing Stock Solution 26 analiti: Al, Sb, As, Ba, B, Cr, Cu, Fe, Pb, Li, Mn, Ni, Se, Si, Sr, Ti, Zn 25µg/ml; Ag 2.5µg/ml; Be, 5µg/ml; Cd, Co, Mo, Sn, V 5µg/ml; P 50µg/ml; Hg 5 µg/ml.	acqua	(Al, Sb, As, Ba, B, Cr, Cu, Fe, Pb, Li, Mn, Ni, Se, Si, Sr, Ti, Zn 25µg/ml); (Ag 2.5µg/ml); (Be, 5µg/ml); (Cd, Co, Mo, Sn, V, Hg 5µg/ml); (P 50µg/ml)	1	125	CUS-117456-31							
		Standard multielementari per ICP-MS: Al = 5 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.04mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 0.5 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l, Se = 1 mg/l, Sr = 5 mg/l, Ti = 1 mg/l, V = 1 mg/l, Zn = 10 mg/l	acido nitrico diluito (2-5%)	Al = 5 mg/l, As = 1 mg/l, Ba = 10 mg/l, Be = 1 mg/l, B = 10 mg/l, Cd = 0.04 mg/l, Cr = 1 mg/l, Co = 1 mg/l, Cu = 5 mg/l, Fe = 10 mg/l, Pb = 0.5 mg/l, Li = 5 mg/l, Mn = 2 mg/l, Ni = 1 mg/l, P = 10 mg/l, Se = 1 mg/l, Sr = 5 mg/l, Ti = 1 mg/l, V = 1 mg/l, Zn = 10 mg/l	8	125	ICUS-5486-1X125ML							
		Mix 28 metalli ICP-MS: Aluminum,silver,arsenic,boron, barium,beryllium,bismuth,calcium,cadmium,cobalt,chromium, iron,copper,potassium,lithium,magnesium,manganese, molybdenum,sodium,nickel,lead,antimony,selenium,strontium, titanium,thallium,vanadium,zinc.	acido nitrico diluito (2-5%)	100 mg/l per ogni analita	1	125	ICUS-3942-1X125ML							
		Calibration Standard ICP-OES: (Co, Mo, Sn, Ti= 20 mg/l) + (As, Sb, Se, V = 10 mg/l)	acido nitrico diluito (2-5%)	(Co, Mo, Sn, Ti= 20 mg/l) + (As, Sb, Se, V = 10 mg/l)	5	250	ICUS-5473-1X250ML							
		Mix 28 metalli per ICP-MS: Aluminum,silver,arsenic,boron, barium,beryllium,bismuth,calcium,cadmium,cobalt,chromium, iron,copper,potassium,lithium,magnesium,manganese, molybdenum,sodium,nickel,lead,antimony,selenium,strontium, titanium,thallium,vanadium,zinc.	acido nitrico diluito (2-5%)	1 mg/l per ogni analita	3	500	ICUS-3943-1X500ML							
		IMS-105 ICP/MS Calibration Standard #5, Mercury	acido nitrico diluito (2-5%)	10 µg/ml	5	125	IMS-105							
		Soluzione Std Calibration Standard Mercury	acido nitrico diluito (2-5%)	1000 ug/ml	1	250	LM24-OP-4001147							
		THALLIUM STD	acido nitrico diluito (2-5%)	1000 µg/ml	1	125	ICP-081							
		ARSENICO STD x ICP	acido nitrico diluito (2-5%)	1000 µg/ml	2	125	ICP-033							
		BORO STD x ICP	acqua	1000 µg/ml	2	125	ICP-005							

7	STANDARD METALLI SINGOLI	BARIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-056							
		FERRO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	5	125	ICP-026							
		MOLIBDENO STD	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-042							
		MANGANESE STD	acido nitrico diluito (2- 5%)	1000 µg/ml	3	125	ICP-025							
		CROMO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	2	125	ICP-024							
		PIOMBO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	2	125	ICP-082							
		SELENIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-034							
		VANADIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-023							
		ZINCO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	3	125	ICP-030							
		ANTIMONIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-051							
		NICHEL STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	2	125	ICP-028							
		ALLUMINIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	2	125	ICP-013							
		Alluminio	acido nitrico diluito (2- 5%)	1000 µg/ml	1	500	LM24-OP-4001025							
		Silice	acqua	1000 µg/ml	2	500	ICP-014A-4x							
		Tin ICP Standard CertPur Merk referential material in acido cloridrico	acido cloridrico diluito	1.000 µg/ml	2	125	ICP-050							
		SILICON STD x ICP	acido nitrico diluito (2- 5%)	1.000 µg/ml	1	125	ICP-014							
		COBALTO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-027							
		FOSFORO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	6	125	ICP-015							
		BERILLIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-004							
		CERIO STD x ICP	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-058							
		LUTETIUM AA STD	acido nitrico diluito (2- 5%)	1000 µg/ml	1	125	ICP-071							

		CADMIO STD x ICP	acido nitrico diluito (2-5%)	1000 µg/ml	5	125	ICP-048							
		COPPER STD x ICP	acqua	1000 µg/ml	2	125	ICP-029							
		Ultra grade Solution Chromium (VI) ICP Standard	acqua	1000 µg/ml	1	125	ICP-024A							
		LANTANIO STD	acqua	1000 µg/ml	1	125	ICP-057							
		Titanio x ICP	acqua	1000 µg/ml	1	125	ICP-022							
		Uranium	acido nitrico diluito (2-	1000 µg/ml	3	125	ICP-092							
8	SOLUZIONI STANDARD INTERNI E DI TUNING	INDIO STD x ICP 1000µG/ML, 125ML	acido nitrico diluito (2-5%)	1000 µg/ml	1	125	ICP-049							
		Yttrio x ICP	acqua	1000 µg/ml	1	125	ICP-039							
		Olmio x ICP	acqua	1000 µg/ml	1	125	ICP-067							
		Scandio x ICP	acqua	1000 µg/ml	1	125	ICP-021							
		Germanio x ICP	acqua	1000 µg/ml	1	125	ICP-032							
		Rodio x ICP	acqua	1000 µg/ml	2	125	ICP-045							
		Internal Standard Solution analiti in acido nitrico diluito: (Scandium, yyyrium, indium, terbium, RODIO)	acido nitrico diluito (2-5%)	100 µg/ml	2	125	CUS-117456-30							
		Internal Standard Solution ICM-810 5 analiti in acido nitrico diluito: (Scandium, yyyrium, indium, terbium, bismuth) epa Method 200.8	acido nitrico diluito (2-5%)	100 µg/ml	5	125	ICM-810							
		Stock Tuning Solution 4 analiti in acido nitrico diluito: (Li, Y, Ce, Ti)	acido nitrico diluito (2-5%)	10 µg/ml	1	125	ICUS-1655-1X125ML							
ICP/MS TUNING SOLUTION Li, Mg,Y,Ce,Ti,Co	acqua	1 ppb	20	480	ICUS-0001264 (EX C/ICM-699)									
TOTALE														
	NOTA * : il volume contenuto nelle confezioni non può superare del 50% sia in positivo che negativo la quantità richiesta in ciascun formato. Formati /confezionamenti differenti potranno essere accettati, fermo restando il fabbisogno dei materiali in gara.													

[1] Doppio lotto da inserire in gara