

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
		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 (alcalinita, 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				

1	ANIONI	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				

2	CATIONI	SODIUM STD x ICP	acido nitrico diluito (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 diluito (2-5%)	1000 µg/ml	2	125	ICP-119				
		Magnesio	acqua	1000 µg/ml	2	125	ICC-105				
		MAGNESIO STD x ICP	acido nitrico diluito (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 diluito (2-5%)	10'000 µg/ml	2	125	ICP-120				
		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				
6	STANDARD METALLI MULTIELEMENTARI	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 = 0.04mg/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, Sn = 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, Sn = 1 mg/l, Sr = 5 mg/l, Ti = 1 mg/l, V = 1 mg/l, Zn = 10 mg/l	10	125	ICUS-5486-1X125ML				
		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, magnesium, 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 fortiiFying 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				

7	STANDARD METALLI SINGOLI	BORO STD x ICP	acqua	1000 µg/ml	2	125	ICP-005				
		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				

[illegible]

		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.					
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[1] Doppio lotto da inserire in gara