

Anexa nr. 1 (fizico-chimie)

	Denumirea bunurilor/serviciilor/lucrărilor solicitate	Unitatea de măsură	Cantitatea	Specificarea tehnică deplină solicitată, Standarde de referință
1.	Sulfuric acid	L	2	purity: 95.0 % m/m to 97.0 % m/m; Chlorides: max. 0.5 ppm; Nitrates: max. 0.5 ppm; Ammonium: max.2 ppm; Arsenic: max. 0.02 ppm; Iron: max. 1 ppm; Heavy metals: max. 2 ppm; Residue on ignition: max. 0.001%. Ambalaj: 1L.
2.	Silver nitrate	g	300	99,0-100,5%; white or almost white, crystalline powder or transparent, colourless crystals; very soluble in water, soluble in ethanol (96 per cent); Foreign salts: max. 0.3%; Aluminium, lead, copper and bismuth- comply Ph.Eur.; Storage: in a non-metallic container, protected from light. Ambalaj:100g.
3.	Sodium hydroxide	kg	1	Conform Ph.Eur.; Content: 97.0 to 100.5%; (CO ₃ ²⁻)-max. 2.0%; (Cl ⁻)-max. 200ppm; (SO ₄ ²⁻)-max. 200ppm; (Fe)-max. 10ppm; Ambalaj: 1 kg.
4.	Alcool etilic 96%	L	100	95.1 % V/V - 96.9 % V/V; bp: about 78 °C; Acidity or alkalinity conform Ph.Eur. Relative density: 0.805 - 0.812; Residue on evaporation: maximum 25 ppm; Ambalaj: 1 L.
5.	Heptafluorobutyric acid	ml	25	Clear, colourless liquid. For chromatography; Content: minimum 99.5 %.; Relative density: 1.645; Refractive index: about 1.300. Ambalaj: 25ml
6.	Acetonitrile	L	240	99,9%; Reag. Ph. Eur.; gradul gradient;corespunde cu Acetonitril pentru cromatografie și Acetonitril R1 în conformitate cu Reag. Ph. Eur.;filtrat prin filtru de 0,2 μm;corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC;colorație: ≤ 10 Hazen;apă: ≤ 0,02%; reziduu după evaporare: ≤ 2,0 mg/l;aciditate: ≤ 0,0002 meq/g; alcalinitate: ≤ 0,0002 meq/g;densitate: 0,78 (la 20 °C);indice de refracție (n _{20/D}): 1,344, se distilează la 80 – 82 °C: ≥95% (v/v); Gradul gradient la 210 nm: ≤ 1,0 mAU, la 254 nm: ≤ 0,5 mAH; Absorbanță: ≤ 0,10 (la 200 nm);Transmisie:- la 193 nm: ≥ 60%;- la 195 nm: ≥ 80%;- la ≥ 230 nm: ≥ 98%, Fluorescență (ca chinină la 254 nm): ≤ 1,0 ppb, ≤ 0,5 ppb (ca chinină la 365 nm);Ambalaj: 2,5 litri
7.	Metanol HPLC	L	150	≥99,9%; Reag. Ph. Eur.; gradul gradient; corespunde cu Methanol R1 și R2 în conformitate cu Reag. Ph. Eur.; filtrat prin filtru de 0,2 μm; corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC; colorație: ≤ 10 Hazen; apă: ≤ 0,02%;reziduu după evaporare: ≤ 2,0 mg/l; aciditate: ≤ 0,0002 meq/g; alcalinitate: ≤ 0,0002 meq/g; densitate: 0,791 – 0,793 (la 20 °C); temperatura de fierbere: 64 – 65 °C; Gradul gradient la 235 nm: ≤ 2,0 mAU, la 254 nm: ≤ 1,0 mAH; Absorbanță: ≤ 0,170 (la 225 nm); Transmisie : la 210 nm: ≥ 20%, la 220 nm: ≥ 60%, la 230 nm: ≥

				75%,- la 235 nm: $\geq 83\%$, la 250 nm: $\geq 95\%$, - la ≥ 260 nm: 98%; Fluorescență (ca chinină la 254 nm): $\leq 1,0$ ppb, $\leq 0,5$ ppb (ca chinină la 365 nm); Ambalaj: 2,5 litr.
8.	Phosphoric acid	L	2	84,0-90,0% m/m; Cloruri: max.50 ppm; Sulfati: max.100ppm; Fier: max.50ppm; conform Ph.Eur. Ambalaj: 1 L.
9.	Buffer solution, pH 6,86	L	2	pH 6,86 (25°C). Ambalaj: 0,5 L.
10.	Buffer solution, pH 9,18	L	2	Bufer, standard de referință, trasabil la materiale standard de referință N.I.S.T.; pH 9,18 (25 °C); Ambalaj: 1 L.
11.	Buffer solution pH 4.01	L	2	pH 4,01 (25°C). Ambalaj: 0,5 L.
12.	Buffer solution pH 10.01	L	1	pH 10,01 (25°C). Ambalaj: 0,5 L.
13.	Buffer solution pH 7.00	L	1	pH 7,00 (25°C). Ambalaj: 0,5 L.
14.	Buffer solution pH 1.68	L	2	pH 1,68 (25°C). Ambalaj: 1 L.
15.	Tert-Butyl methyl ether	ml	100	Conform Ph.Eur.; $\geq 99,5\%$ for HPLC, GC; Colourless, clear, flammable liquid; Refractive index: about 1.376; density about:0.741; bp: about 55 °C; Absorbance: max.0.30 at 240 nm, 0.10 at 255 nm, 0.01 at 280 nm, determined using water R as compensation liquid. Ambalaj: 100ml.
16.	Toluene	L	1	Reagent Ph. Eur., $\geq 99.9\%$, densitate: 0.87 g/mL (20 °C); temperatura de fierbere: 110.6 °C; ; ambalaj: 1 L.
17.	Trometamol standard	g	80	volumetric standard, secondary reference material for acidimetry, traceable to NIST Standard Reference Material (SRM); Ambalaj: 80g.
18.	perchloric acid, concentrated	L	15	35-39% (m/m); Free chlorine: max. 4 ppm; Sulfates: max. 20 ppm; Residue on evaporation: max. 0.01%. Ambalaj: 2.5L.
19.	Sodium tartrate dihydrate	g	100	Volumetric standard for water determination acc.to Karl Fischer, contains 15.66% H ₂ O; titrare cu acid percloric: 99.5 - 101.0%; pierdere prin uscare (150 °C): 15.61 - 15.71%. Ambalaj: 100 g.
20.	Nickel-aluminium alloy	g	100	contains 50% Al, 50% Ni. Ambalaj: 100g.
21.	(+)-Isomenthone.	mg	100	Conform Ph.Eur. A colourless liquid, very slightly soluble in water, soluble in ethanol (96%). density: about 0.904; refractive index: about 1.453; optical activity: about + 93.2. Suitable for Gas chromatography; Content: minimum 80.0%, calculated by the normalisation procedure. Ambalaj: 100 mg.
22.	Sabinene	mg	100	Conform Ph.Eur.: A colourless, oily liquid, suitable for Gas chromatography. Content: minimum 95.0%, calculated by the normalisation procedure. Ambalaj: 100mg.
23.	Piperitone	mg	100	mixture of enantiomers, suitable for GC. Ambalaj: 100mg.
24.	Uracil	g	5	Reagent Ph. Eur., $\geq 99.0\%$, numărul CAS: 66-22-8; temperatura de topire: >300 °C; Ambalaj: 5g.

25.	Refractive index standart kit 1	buc	1	isooctan/apă; testat la 20°C; cu încertitudinea măsurării.
26.	Refractive index standart kit 2	buc	1	toluen/apă; testat la 20°C; cu încertitudinea măsurării.
27.	Refractive index standart kit 3	buc	2	1-Methyl-naphthalene/apă; testat la 20°C; cu încertitudinea măsurării.
28.	N,N-diethyl-m-toluamide	g	100	Reagent Ph. Eur., ≥98.0%; CAS: 134-62-3; densitate: 0.996 g/ml (20 °C); indice de refracție: n ₂₀ /D 1.52; ambalaj: 100 g.
29.	Phenacetin	g	2	CRM for melting point cu incertitudinea. Ambalaj: 2g
30.	Caffein	g	2	CRM for melting point cu incertitudinea. Ambalaj: 2g
31.	Vanilin	g	2	CRM for melting point cu incertitudinea. Ambalaj: 2g
32.	Titrant 5	L	1	titrant for volumetric Karl Fischer titration with two component reagents; titr-5 mg H ₂ O/ml. Ambalaj: 1L.
33.	Solvent Karl Fischer	L	2.5	solvent for volumetric Karl Fischer titration with two component reagents. Ambalaj: 2.5L.
34.	Hexadecyltrimethylammonium bromide	g	100	≥98.0%; Ambalaj: 100g.
35.	Sucrose	g	250	conform Ph.Eur; Conductivity: max. 35 μS/cm at 20°C; Specific optical rotation: + 66.3 to + 67.0; Colour value: max. 45; Reducing sugars - conform Ph.Eur; Sulfites: max. 10 ppm, calculated as SO ₂ ; Loss on drying: max.0.1%, determined on 2.000 g by drying in an oven at 105 °C for 3 h. Ambalaj: 250g.
36.	Dimethyldecylamine	ml	20	Content: minimum 98.0% m/m; bp: about 234 °C. Ambalaj: 10ml.
37.	Pararosaniline hydrochloride	g	25	Bluish-red, crystalline powder, slightly soluble in water, soluble in anhydrous ethanol; CAS number: [569-61-9]; mp: about 270 °C, with decomposition. Ambalaj: 25g.
38.	Peroxid de hydrogen 30%	L	100	Content: 29.0% - 31.0% m/m; Acidity conform Ph.Eur.; Organic stabilisers: maximum 500 ppm; Non-volatile residue: maximum 2 g/L. Ambalaj: 2.5L.
39.	Potassium dihydrogen phosphate	kg	3	conform Ph.Eur; 98,0-100,5%(dried substance); Cloruri: max.200ppm; Sulfati: max.300ppm; Arsenic: max.2ppm; Fier: max.10ppm; Pierdere prin uscare: max.2,0%; Ambalaj: 1 kg.
40.	di-Potassium hydrogen phosphate	kg	1	98.0 - 101.0 % (dried substance); Monopotassium phosphate: maximum 2.5%; Chlorides: maximum 200 ppm; Sulfates: maximum 0.1 %; Iron: maximum 10 ppm; Sodium: maximum 0.1 %; Loss on drying: maximum 2.0 per cent. Ambalaj: 1kg.
41.	Di-Sodium hydrogen phosphate dodecahydrate	kg	1	98.5-102.5; Reducing substances conform Ph.Eur. Monosodium phosphate: max 2.5%; Chlorides: max 200ppm; Sulfates: max 500ppm; Iron: max 20ppm; Loss on drying: 57-61% (130 °C for 4 h.); Ambalaj: 1kg.

42.	Sodium dihydrogen phosphate	kg	2	99.0-101.0%. Ambalaj: 1 kg.
43.	Sodium acetate trihydrate	kg	1	99.0-101.0; pH= 7.5-9.0 la soluția S conform Ph.Eur.; Reducing substances conform Ph.Eur. Chlorides: max 200ppm; Sulfates: max 200ppm; Aluminium: max 0,2 ppm; Calcium and magnesium: max 50 ppm; Iron; max 10 ppm; Loss on drying: 39.0 - 40.5 (130 °C); Ambalaj: 1kg.
44.	Ammonium formate	g	750	min. 99.0%; Ambalaj: 250g.
45.	Diethylamine	L	0.5	Content: minimum 99.5 per cent; Relative density about 0.71; bp: about 55 °C. Ambalaj: 0.5L.
46.	2-propanol	L	5	CAS-[67-63-0]. indice de refracție: about 1.378; Water: max. 0.05%; Absorbance: max. 0.60 at 210 nm, 0.26 at 220 nm, 0.13 at 230 nm, 0.02 at 250 nm, 0.01 at 260 nm, determined using water R as compensation liquid; Acidity or alkalinity: Ph.Eur. Coresp.; Ambalaj: 1L.
47.	Trometamol	g	100	99.0-100.5% (dried subst); pH 10.0 to 11.5; Related substances conform Ph.Eur; Chlorides max 100pm; Iron max. 10ppm; Loss on drying max 0.5%; Sulfated ash max 0.1%; Ambalaj: 100g.
48.	Potassium hydrogen phthalate standart	g	80	Volumetric standard, certified reference material for alkalimetry, traceable to NIST. Ambalaj: 100g.
49.	Potassium dichromate	g	80	volumetric standard, secondary reference material for redox titration, traceable to NIST SRM Certipur® Reag. USP. Ambalaj: 80g.
50.	Potassium dichromate	g	100	not less than 99.9 per cent of K ₂ Cr ₂ O ₇ , calculated with reference to the substance dried at 130 °C.Ambalaj: 100g.
51.	Acid sulfanilic	g	100	reag.Ph.Eur; Ambalaj: 100g.
52.	Phosphomolybdic acid	g	100	CAS number [51429-74-4]; reag.Ph.Eur; Ambalaj: 100g.
53.	Silicotungstic acid	g	50	CAS number [11130-20-4]; reag.Ph.Eur; Ambalaj: 50g.
54.	Conductivity solution 5mkS/cm	ml	250	5mkS/cm (25°C). Ambalaj: 0,25 L.
55.	Conductivity solution 50mkS/cm	ml	250	50mkS/cm (25°C). Ambalaj: 0,25 L.
56.	Conductivity solution 84mkS/cm	ml	250	84mkS/cm (25°C). Ambalaj: 0,25 L.
57.	Potassium chromate	g	100	reag Ph.Eur. Ambalaj:100g.
58.	Mohr salt (Fe(NH ₄) ₂ (SO ₄) ₂ *6H ₂ O)	g	100	reag Ph.Eur. Ambalaj:100g.
59.	Formaldehyde	L	2	34.5 % m/m to 38.0 % m/m; Sulfated ash: max. 0.1%; Methanol 9.0-15.0% (V/V). Ambalaj: 1 L.

60.	Titrant 5 for KF one component titration	L	1	one-component reagent for volumetric Karl Fischer titration; titr-5 mg H ₂ O/ml. Ambalaj: 1L.
61.	Glycerine	L	2	Content: 98.0 % - 101.0 % m/m; Relative density: 1.258 to 1.268; Acidity or alkalinity conform Ph.Eur. Refractive index: 1.470 to 1.475; Aldehydes: maximum 10 ppm; Esters conform Ph.Eur. Halogenated compounds: maximum 35 ppm; Sugars conform Ph.Eur.; Chlorides: maximum 10 ppm; Water: maximum 2.0 %; Sulfated ash: maximum 0.01%; Ambalaj: 1L.
62.	Ascorbic acid	g	100	Content: 99.0- 100.5 %; pH: 2.1 to 2.6 for solution S conform Ph.Eur.; Specific optical rotation: + 20.5 to + 21.5; Related substances (HPLC) - conform Ph.Eur; Impurity E: maximum 0.2 %; Copper: maximum 5 ppm; Iron: maximum 2 ppm; Sulfated ash: maximum 0.1%; Ambalaj: 50g.
63.	NaCl	kg	3	Content: 99.0% to 100.5%; Acidity or alkalinity conform Ph.Eur.; Bromides: maximum 100 ppm; Ferrocyanides conform Ph.Eur.; Iodides conform Ph.Eur. Nitrites conform Ph.Eur. Phosphates: maximum 25 ppm; Sulfates: maximum 200 ppm; Aluminium: maximum 0.2 ppm; Arsenic: maximum 1 ppm; Barium conform Ph.Eur.; Iron: maximum 2 ppm, determined on solution S; Magnesium and alkaline-earth metals: maximum 100 ppm; Potassium: maximum 500 ppm; Loss on drying: maximum 0.5 per cent; Ambalaj: 1kg
64.	Chloroform	L	5	conform Ph.Eur. Ambalaj: 2,5L.
65.	HEXAN	L	5	≥98,0% (GC), gradul: pentru HPLC; impurități: ≤0,0005% substanțe nevolatile; ≤0,001% acid liber (ca CH ₃ COOH); ≤0,01% apă (prin Karl Fischer);reziduu după evaporare: ≤ 1 mg/l; aciditate:≤ 0.0002 meq/g; alcalinitate: ≤ 0.0002 meq/g; indice de refracție n ₂₀ /D: 1,375;densitate: 0,66 g/mL (la 20 °C); transmitanță la 210 nm: ≥50%; la 220nm: ≥85%; la 245nm: ≥98%. Temperatura de fierbere: 69 °C; Temperatura de topire: – 94,3 °C;UV absorbție (referință: apă):la 200 nm: Amax: ≤0.70, la 225 nm: Amax: ≤0.10, la 250 nm: Amax: ≤0.01. Ambalaj: 2,5 L
66.	Potassium iodide	kg	1	99,0-100,5%(dried subst); Iodates: conform Ph.Eur; Sulfates: max.150ppm; Thiosulfates: conform Ph.Eur; Iron: max.20ppm; Loss on drying: max.1,0%. Ambalaj: 1kg.
67.	Nitric acid	L	1	Content: 63.0 per cent m/m to 70.0 per cent m/m.; Relative Density: 1.384 to 1.416; Chlorides: maximum 0.5 ppm; Sulfates: maximum 2 ppm; Arsenic: maximum 0.02 ppm.; Iron: maximum 1 ppm.; Heavy metals: maximum 2 ppm.; Sulfated ash: maximum 0.001%; Ambalaj: 1L.
68.	Ammonium chloride	kg	1	conform PhEur; 99.0 % to 100.5 %(dried substance); Bromides and iodides: comply; Sulfates: maximum 150 ppm; Calcium: maximum 200 ppm; Iron: maximum 20 ppm; Loss on drying: maximum 1.0%; Sulfated ash: maximum 0.1%. Ambalaj: 500 g.

69.	Pyrocatechol	g	100	conform Ph.Eur. Ambalaj: 100g.
70.	Potassium bromide	g	200	Gradul reagent, reag. Ph. Eur. Ambalaj: 100 g.
71.	Acetic acid	L	10	99-100,5% m/m; Reducing substances-comply Ph.Eur.; Chlorides- max.25mg/L; Sulfates- max.50mg/L; Iron- max.5ppm; Residue on evaporation: max. 0.01%; Ambalaj: 2,5L.
72.	Holmium(III) oxide	g	20	conform Ph.Eur. Ambalaj: 5g.
73.	Vanilin	g	10	conform Ph Eur. Ambalaj: 10g.
74.	Molecular sieves	g	250	Pore size: 4Å; with moisture indicator. Ambalaj: 250g.
75.	Modul electrodionizare pentru instalatia de obtinere a apei pure Milli-Q Direct 8	buc	1	compatibil cu Milli-Q Direct 8
76.	DIAPHRAGM PUMP AQU8871 MQ INT POWER SUPPLY BOARD	buc	2	DIAPHRAGM PUMP AQU8871
77.	MQ INT POWER SUPPLY BOARD	buc	2	MQ INT POWER SUPPLY BOARD
78.	MAINTENANCE KIT INT	buc	2	MAINTENANCE KIT INT
79.	60 GPD RO CARTRIDGE	buc	2	60 GPD RO CARTRIDGE
80.	ROCare A Qty 12	buc	1	ROCare A Qty 12
81.	ROCare B Qty 12	buc	1	ROCare B Qty 12
82.	Nessler cylinder	buc	10	20ml - Class A - Borosilicate Glass - for Colorimetric Analysis.
83.	Nessler cylinder	buc	20	50ml - Class A - Borosilicate Glass - for Colorimetric Analysis.
84.	Sondă de imersie, TC tip K, flexibilă și foarte subțire	buc	1	termocuplu tip K; L=500mm; temperatura: -200 - (+1000); compatibil cu termometru Testo 735; (Cod produs 0602 0493)
85.	Mini-tastatura	buc.	2	Dimensiuni: ~218 x 102 x 14mm; Conectare: USB; Compatibila cu Titroline 7000;
86.	Adsorber tube with tubing nipple	buc	5	Height 155mm; Inner diameter 32mm; SGJ size B-14/15
87.	Cartuș Progard TS2	buc	2	Filtru compatibil cu instalatia Elix Advantage 15/Milli Q Direct 8
88.	Millipack Express 40	buc	3	Filtru compatibil cu instalatia Elix Advantage 15/Milli Q Direct 8
89.	Cartuș TANK VENT FILTER	buc	3	Filtru compatibil cu instalatia Elix Advantage 15/Milli Q Direct 8

90.	Q-PAK TEX	buc	1	Filtru compatibil cu instalatia Elix Advantage 15/Milli Q Direct 8
91.	Progard T3	buc	1	Filtru compatibil cu instalatia Elix Advantage 15/Milli Q Direct 8
92.	Fused silica tubing	buc	1	I.D. 75 μm $\pm$ 3 μm / O.D. 280 μm $\pm$ 10 μm , 5 meters (LCP# FS-75)
93.	Fused silica tubing	buc	1	I.D. 50 μm $\pm$ 3 μm / O.D. 280 μm $\pm$ 10 μm , 5 meters (LCP# FS-50)
94.	Detergent p/u masina de spalat vesela chimica	kg	10	p/u masina de spalat vesela chimica Miele
95.	Vialuri 2 ml pentru HPLC cu autosampler	buc	7000	1,5 Short Tread Vial, 32x11,6 mm, clear glass, 1 st hydrolytic class, wide opening
96.	Tub viper	buc	10	P/N 6040-2385 Viper SST 0,18x350mm pentru Ultimate 3000
97.	Placi cromatografie fără UV	amb	2	20x20 aluminiu, amb-25 buc
98.	Pipete gradate cu volumul 5ml, clasa AS	buc	50	Manufactured from neutral tubing according to ISO 648 and DIN 12687 (for volumetric pipettes), ISO 835 and DIN (for graduated pipettes) standards. Clasa AS, TYPE 1 (Pipete gradate de sticla cu volumul 5 ml, gradația 0,02 ml, cu scurgere partiala, tip 1(cu 2 cote: gradatia "0" in partea superioara a pipetei, a doua cota in apropierea varfului. Clasa AS, toleranta $\pm$ 0.01 ml)
99.	Pipete gradate cu volumul 10,0ml, clasa AS	buc	50	Manufactured from neutral tubing according to ISO 648 and DIN 12687 (for volumetric pipettes), ISO 835 and DIN (for graduated pipettes) standards. Clasa AS, TYPE 1 (Pipete gradate de sticla cu volumul 10 ml, gradația 0,02 ml, cu scurgere partiala, tip 1(cu 2 cote: gradatia "0" in partea superioara a pipetei, a doua cota in apropierea varfului. Clasa AS, toleranta $\pm$ 0.01 ml)
100.	Pipete gradate cu volumul 1ml, clasa AS	buc	50	Manufactured from neutral tubing according to ISO 648 and DIN 12687 (for volumetric pipettes), ISO 835 and DIN (for graduated pipettes) standards. Clasa AS TYPE 1 (Pipete gradate de sticla cu volumul 1 ml, gradația 0,02 ml, cu scurgere partiala, tip 1(cu 2 cote: gradatia "0" in partea superioara a pipetei, a doua cota in apropierea varfului. Clasa AS, toleranta $\pm$ 0.01 ml)
101.	Pipetă Mohr (bulb pipette) de 50 ml	buc	10	Material: sticlă borosilică; clasa AS (conf. DIN EN ISO 648 timpul de scurgere: 5 sec.); calibrată la delivrare (TD, Ex); volum: 50,0 ml; limită de eroare: $\pm$ 0,05ml;
102.	HEPA Filtru	buc	1	Pentru masina de spalat vesela Miele
103.	Biux (flacon de cântărire)	buc	50	Material: DURAN® (sticlă borosilică); formă: joasă; șlif: NS 50/12; dimensiuni: 30 mm (înălțime), 50 mm (diametru)
104.	Filtru p/u sering (nesterile)	buc.	3000	Membrană din celuloză regenerată, diametrul părții filtrante 15 mm, dimensiunile porilor 0,45 μm , p/u seringă.
105.	Pahare 250 ml	buc	20	Material: sticlă borosilică; cu "năsuleț" de scurgere; volum 250 ml,

106.	Pahare 400 ml	buc	10	Material: sticlă borosilicăată; cu "năsuleț" de scurgere; volum 400 ml,
107.	Pahare 50 ml	buc	20	Material: sticlă borosilicăată; cu "năsuleț" de scurgere; volum 400 ml,
108.	Adsorber tube with tubing nippl	buc	5	Height (mm) - 155 Inner diameter (mm) - 32 SGJ size- B-14/15
109.	Capace p/vialuri de 2 ml (septa and cap)	buc	4000	pentru HPLC cu autosampler
110.	Seringa 10 ml	buc	1000	Seringi de unică folosință fără lubrifiant pe suprafața interioară
111.	Seringa 5 ml	buc	3000	Seringi de unică folosință fără lubrifiant pe suprafața interioară
112.	Seringa 2 ml	buc	3000	Seringi de unică folosință fără lubrifiant pe suprafața interioară
113.	Seringa 20 ml	buc	600	Seringi de unică folosință fără lubrifiant pe suprafața interioară
114.	Termometru p/u frigider din sticla	buc	20	p/u frigider, t= -30°C - +30°C diviziunea 0,5 sau 0,1 cu certificat etalonare
115.	Capilare pentru punctul de topire	buc	100	Length in approx. mm - 81,29 Outer diameter in approx. mm- 2,9 Inner diameter in approx. mm – 1,92 Capillaries with one end closed.
116.	Lampă cu descărcare de proiecție OSRAM Na / 10 1A PICO SPEKTRAL	buc	1	Diametrul spirală 6,5 mm Lungime spirală 15,00 mm Forma de proiectare / designul de sodiu Tensiunea lămpii 15 V Putere nominală 15,0 W Tensiune nominală 15,0 V Curent nominal 1,00 A Tip lampă fără halogen de joasă tensiune Tipul curentului Curent alternativ (AC) Soclu (цоколь) PICO9

117.	Lampa UV pentru instalatia de obtinere a apei pure Elix Advantage 15	buc	1	Lungime de undă 254 nm
118.	Bucula de injectare a probei, Autosampler G1329A, 100µl	Buc	2	Sample loop, Autosampler G1329A, 100µl 01078-87302
119.	Port de injectare, Autosampler G1329A. PEEK	buc	1	Needle seat, Autosampler G1329A, PEEK, G1329-87017
120.	Fitinguri pentru capilare, piuliță/virole din spate/față, inox 1 set – 10 buc	set	1	Capillary fitting, nuts/back/front ferrules, inox, 10/pk 5062-2418
121.	Spatula-“st. steel”-“micro spoon”	buc	20	Material: oțel inoxidabil; cu microlingură; lungimea: 180 mm; lățimea lamei: 10 mm; lungimea lamei: 35 mm; diametrul tijei: 3,5 mm; autoclavabilă
122.	Flacon p/u HPLC 1000 ml	buc	3	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 1000 ml
123.	Flacon p/u HPLC 500 ml	buc	3	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 500 ml
124.	Flacon p/u HPLC 250 ml	buc	5	Flacon gradate din sticlă termostabilă, cu gît larg și capac filetat din sticlă p/u HPLC, volum 250 ml
125.	Mănuși nitril marimea L	buc	500	Mănuși de nitril, nepudrate, ambidextre, nesterile, albastre, rezistente la acizi și baze. Nu conțin cauciuc natural din latex. Manșetă: lungă, rotunjită (pentru protecție mai eficientă)
126.	Ulei de măsline	L	1	Ulei de masline Extra Virgin
127.	Electrod pH compatibil cu modelul pH – metru Agilent	buc		Material de electrod: Policarbonat Tip cablu: BNC, senzor temperatura Tipul de electrod: Combinat cu capac în formă sferică
128.	Gradient valve Assembly	buc	1	1100 Gradient valve Assembly G1311-67701
129.	Vialuri certificate pentru Headspace, 10 ml	buc	200	Vialuri certificate pentru Headspace, 10 ml Cod 7050285
130.	Carace de capsare de aluminiu de 10 mm sic apse Septa	buc	200	Carace de capsare de aluminiu de 10 mm sic apse Septa
131.	Cuveta pentru polarimetru P-2000 (Jasco)	buc	2	Cyrindrical glass cell 10 mm x 100 mm, Model CG1-100 (1103-1101A)

132.	Cartus Progard TS2 p/u instalatia de obtinere a apei pure Elix Advantage 15	buc	2	Cartus compatibil cu instalatia Milli Q Direct 8
133.	Filtre Millipore TANK Vent Filter TANKMPKO1 p/u instalatia de obtinere a apei pure Elix Advantage 15/Milli Q Direct 8	buc	3	Filtru compatibil cu instalatia Milli Q Direct 8
134.	Cartus Progard T3 p/u instalatia Milli Q Direct 8	buc	1	Cartus compatibil cu instalatia Milli Q Direct 8
135.	Cartus Q- PAK TEX p/u instalatia de obtinere a apei ultrapure Milli Q Direct 8	buc	1	Cartus compatibil cu instalatia Milli Q Direct 8
136.	Filtru Millipak Express 40 p/u instalatia de obtinere a apei	buc	3	Filtru compatibil cu instalatia Milli Q Direct 8
137.	Agitator magnetic cilindric lungimea: 20 mm	buc	5	Material: PTFE; formă: cilindrică, cu inel central (pentru balone cu fund neregulat); diametrul 6 mm; lungimea: 20 mm
138.	Pompa de filtrare cu vacuum	buc		Type-N86KT.18 VAC-230 Pmax-2,5 bar Hz-50 W-60 A-1,0

Conducătorul grupului de lucru: _____

Dragoș GUȚU