

SPECIFICAȚII TEHNICE

Numărul licitației: ocds-b3wdp1-MD-1707466872092	Data: 27.02.2024
Denumirea licitației: Achiziționarea Consumabile și reactivi chimici pentru determinarea elementelor toxice și reziduurilor -/ LÎPA	Pagina 1 din 5

Nr. d/o	Denumirea bunurilor și specificația tehnică deplină solicitată	Modelul articolului	Țara de origine	Producătorul	Specificarea tehnică deplină	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
1	LOT 1 Sodium hydroxide NaOH	SOHY-M0P-500	Spania	LabBox	Puritatea $\geq 97.0\%$ Ambalaj original	SODIUM HYDROXIDE AGR MICROPEARLS LOW IN METALS. Assay $\geq 99.0\%$	
2	LOT 2 Ethyl acetate C ₄ H ₈ O ₂	ETAC-P0P-5K0	Spania	LabBox	Puritatea $\geq 99.5\%$ Ambalaj original	ETHYL ACETATE 99.8% GLR	
3	LOT 3 Acetonitril with 0.1% formic acid	2645-2.5L	Germania	Chemsolute	Puritatea $\geq 98.0\%$ Ambalaj original For LC MS	Acetonitrile with 0.1 % formic acid for LC-MS (min. 99.5 %)	
4	LOT 4 Acid acetic	401431-1L	Germania	CARLO ERBA	Puritatea $\geq 98.0\%$ Ambalaj original For HPLC	Acetic acid glacial RS - For HPLC - Isocratic Grade, ≥ 99.8	
5	LOT 5 Metanol	MTOL-LCM-2K5	Spania	LabBox	Puritatea $\geq 98.0\%$ Ambalaj original For LC MS	METHANOL LC/MS LGR. Assay $\geq 99.9\%$	
6	LOT 6 Acetona	24201-2.5L-M	Germania	Sigma Aldrich	Puritatea $\geq 98.0\%$ Ambalaj original	Acetone puriss., meets analytical specification of Ph. Eur., BP, NF, $\geq 99\%$ (GC)	
7	LOT 7 Acetonitril	2697-2.5L	Germania	Chemsolute	Puritatea $\geq 98.0\%$ Ambalaj original For LC MS	Acetonitrile for LC-MS (min. 99.95 %)	
8	LOT 8 Ethyl acetate	ETAC-P0P-5K0	Spania	LabBox	Puritatea $\geq 99.0\%$ Ambalaj original	ETHYL ACETATE 99.8% GLR	

9	LOT 9 Tert-butil-metuleter (TBME)	2524-2.5L	Germania	Chemsolute	Puritatea ≥98.0%Ambalaj original	tert.-Butyl methyl ether p. a. (min. 99.8 %)
10	LOT 10 Heptan	1948-2.5L	Germania	Chemsolute	Puritatea ≥98.0%Ambalaj original	n-Heptane p. a. (min. 99.0 %)
11	LOT 11 Sodium phosphate dibasic Na ₂ HPO ₄	SOPH-02A-500	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	DI-SODIUM HYDROGEN PHOSPHATE DIHYDRATE AGR. Assay 99 – 101%
12	LOT 12 Acetat de sodiu (CH ₃ COONa)	SOAC-A0A-500	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	SODIUM ACETATE ANHYDROUS AGR. Assay ≥ 99%
13	LOT 13 Acetat de plumb (CH ₃ COO) ₂ Pb	32307-100G	Germania	Sigma Aldrich	Puritatea ≥99.0%Ambalaj original	Lead(II) acetate trihydrate puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., 99.5-102.0%
14	LOT 14 Citric acid	CITA-A0A-1K0	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	CITRIC ACID ANHYDROUS AGR PH.EUR. Assay (anhydrous substance) 99.7 – 100.3%
15	LOT 15 Sodium fosfate monobasic NaH ₂ PO ₄	SODH-00A-500	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	SODIUM DIHYDROGEN PHOSPHATE ANHYDROUS AGR. Assay ≥ 99%
16	LOT 16 Potassium phosphate monobasic (KH ₂ PO ₄)	PODP-00A-500	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	POTASSIUM DIHYDROGEN PHOSPHATE AGR. Assay ≥ 99.5%
17	LOT 17 di-Potassium hydrogen phosphate (K ₂ HPO ₄)	POHP-00A-500	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	DI-POTASSIUM HYDROGEN PHOSPHATE ANHYDROUS AGR. Assay ≥ 99%
18	LOT 18 Potassium hexacyanoferrate (iii) K ₃ (Fe(CN) ₆)	1610-250G	Germania	Chemsolute	Puritatea ≥99.0%Ambalaj original	Potassium hexacyanoferrate(III) p. a., ACS, ISO, Ph. Eur. (min. 99.0 %)
19	LOT 19 Potassium chloride KCl	POCL-00A-1K0	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	POTASSIUM CHLORIDE AGR ISO, ACS, PH. EUR. Assay ≥ 99.5%
20	LOT 20 Sodium chloride NaCl	SOCH-00T-1K0	Spania	LabBox	Puritatea ≥99.0%Ambalaj original	SODIUM CHLORIDE EPR. Assay ≥ 99.8%
21	LOT 21 Succinic acid (C ₄ H ₆ O ₄)	411025-250G	Germania	CARLO ERBA	Puritatea ≥99.0%Ambalaj original	Succinic acid RPE - For analysis, min 99%
22	LOT 22 Zinc sulfate heptahydrate ZnSO ₄ *7H ₂ O	ZNSU-7EP-500	Spania	LabBox	Puritatea ≥98.0%Ambalaj original	ZINC SULFATE HEPTAHYDRATE EPR. Assay 99.0 – 100.5%
23	LOT 23 Hexan C ₆ H ₁₄	34986-2.5L	Germania	Honeywell	Puritatea ≥97.0%Ambalaj original, pentru LC/MS/MS	Hexane, CHROMASOLV™ LC-MS, Min. 97 %
24	LOT 24 Eter petroleic	32299-2.5L	Germania	Honeywell	Ambalaj original, 40-60 °C	Petroleum ether, puriss. p.a., ACS Reagent, Reag. ISO, low boiling point hydrogen treated naphtha, bp≥ 90% 40-60 °C (≥ 90%)
25	LOT 25 Hydrochloric acid HCl, 37%	30721-2.5L-GL	Germania	Honeywell	Puritatea ≥97.0%Ambalaj original	Hydrochloric acid, puriss. p.a., ACS Reagent, Reag. ISO, Reag. Ph. Eur., fuming, ≥37%, APHA: ≤10
26	LOT 26 Modificator de matrice Fosfat de amoniu NH ₄ H ₂ PO ₄	VHG-MAP10P-100	Germania	LGC Standards	Concentratia NH ₄ H ₂ PO ₄ – 10% in acid azotic – 2%	Ammonium Phosphate GFAA Matrix Modifier: 10% NH ₄ H ₂ PO ₄ in 2% HNO ₃
27	LOT 27 2-nitrobenzaldehyde	4224,2	Germania	Roth	Puritatea ≥98.0%Ambalaj original	2-Nitrobenzaldehyde min. 98 %, for synthesis
29	LOT 29 Clorura de staniu SnCl ₂ *H ₂ O	TICH-02A-100	Spania	LabBox	Puritatea ≥97.0%Ambalaj original	TIN (II) CHLORIDE DIHYDRATE AGR. Assay ≥ 99%
30	LOT 30 Zinc granulat	101-1KG	Germania	Chemsolute	Puritatea ≥99.9%Ambalaj original	Zinc granulate p. a., ACS, ISO, Reag. Ph. Eur. (min. 99,9 %)
31	LOT 31 Sulfat de cupru CuSO ₄ * 5H ₂ O	2479-1KG	Germania	Chemsolute	Puritatea ≥99.0%Ambalaj original	Copper(II) sulfate pentahydrate p. a., ACS, ISO, Ph. Eur. (min. 99.0 %)

32	LOT 32 L-cisteina	168149-100G	Germania	Sigma Aldrich	Puritatea ≥97.0% Ambalaj original	L-Cysteine 97%
33	LOT 33 Acid azotic, 67%	408072-2.5L	Germania	CARLO ERBA	Puritatea ≥98.0% Ambalaj original	Nitric acid 69.5% RPE - For analysis - ISO - ACS - Reag.Ph.Eur. - Reag.USP
34	LOT 34 iodura de potasiu	30315-250G	Germania	Honeywell	Puritatea ≥99.7% Ambalaj original	potassium iodide, puriss. p.a., Reag. ISO, Reag. Ph. Eur., 99.7%
35	LOT 35 Monoetanolamina	15014-100ML	Germania	Sigma Aldrich	Puritatea ≥99.0% Ambalaj original	Ethanolamine ≥99%
36	LOT 36 Peroxid de hidrogen	476-1L-PE	Germania	Chemsolute	Puritatea ≥30.0% Ambalaj original	Hydrogen peroxide puriss., Ph. Eur., Ph. Nord. (min. 30.0 % w/w, stabilized)
38	LOT 38 THF-Tetrahidrofuran	34865-2.5L	Germania	Honeywell	Puritatea ≥99.9% Ambalaj original	Tetrahydrofuran, CHROMASOLV™ Plus, for HPLC, inhibitor-free, ≥99.9%
39	LOT 39 Trietilamina	T0886-1L	Germania	Sigma Aldrich	Puritatea ≥99.5% Ambalaj original	Triethylamine ≥99.5%
40	LOT 40 N,N-Dimethylformamide DMFO	DMFO-P0P-1K0	Spania	LabBox	Puritatea ≥99.9% Ambalaj original	N,N-DIMETHYLFORMAMIDE 99.9% GLR
42	LOT 42 Filter Paper Grade 202, D-90	6317449	Germania	Cytiva	Paper Grade 202, diam.90mm,	Round filter grade 202, 90mm pack of 100, Cytiva
43	LOT 43 Filtre PVDF de 0.45µm de 13mm	SFPV-145-100	Spania	LabBox	Filtre PVDF de 0.45µm de 13mm	PVDF SYRINGE FILTERS, 0.45 µm ; Ø 13mm
44	LOT 44 Insertii de sticla 250 mkl pentru vialuri	SVI2-CBS-100	Spania	LabBox	Insertie pentru viala, 250 µL, sticlă cu picioare polimerice, dimensiunea insertiei: 5,6 x 30 mm, 100buc in set	Insertie pentru viala, 250 µL, sticlă cu picioare polimerice, dimensiunea insertiei: 5,6 x 30 mm, 100buc in set
45	LOT 45 Vialuri cu capac filetat	SVSC-A20-1K0	Spania	LabBox	Flacoane cu margine ingrosata, realizate din sticla bruna, cu filet ND11, 1.5 ml, cite 100 bucat	Flacoane cu margine ingrosata, realizate din sticla bruna, cu filet ND11, 1.5 ml, cite 100 bucat
46	LOT 46 Vialuri cu capac filetat	SVSC-C20-1K0	Spania	LabBox	Flacoane realizate din sticla transparenta, cu filet ND8, 1.5 ml, cite 100 bucati	Flacoane realizate din sticla transparenta, cu filet ND8, 1.5 ml, cite 100 bucati
48	LOT 48 Cartuse strata X-33u, 200mg/6ml	8B-S100-FCL	SUA	Phenomenex	Strata X RP C18, 200mg/6mL, Phase: Surface modified styrene divinylbenzene	Strata X RP C18, 200mg/6mL, Phase: Surface modified styrene divinylbenzene
49	LOT 49 strata X RP C18, 60mg/3mL	8B-S100-UBL	SUA	Phenomenex	Strata X RP C18, 60mg/3mL, Phase: Surface modified styrene divinylbenzene	Strata X RP C18, 60mg/3mL, Phase: Surface modified styrene divinylbenzene
50	LOT 50 Tuburi de centrifuga ,gradate, 50 ml	PTGP-050-500	Spania	LabBox	Tuburi PP centrifuga ,gradate, autoclavabile, cu capac filetat, 50 ml , o rezistenta chimica foarte buna la solventi organici, acizi si baze.	Tuburi PP centrifuga ,gradate, autoclavabile, cu capac filetat, 50 ml , o rezistenta chimica foarte buna la solventi organici, acizi si baze.
51	LOT 51 Tuburi de centrifuga ,gradate, 15 ml	PTGP-015-500	Spania	LabBox	Tuburi din PP pentru centrifuga, tip Falcon 15 ml , gradate, , cu capac filetat - 15 ml , Dimensiuni 16x120 mm Capacitate totala 15 ml. Au o rezistenta chimica foarte buna la solventi organici, acizi si baze. punga 50 buc	Tuburi din PP pentru centrifuga, tip Falcon 15 ml , gradate, , cu capac filetat - 15 ml , Dimensiuni 16x120 mm Capacitate totala 15 ml. Au o rezistenta chimica foarte buna la solventi organici, acizi si baze. punga 50 buc
70	LOT 70 Spatula	SPSS-210-005	Spania	LabBox	Spatula lingurita de inox 210 mm	Spatula lingurita de inox 210 mm
71	LOT 71 Spatula	SPSS-180-005	Spania	LabBox	Spatula lingurita de inox 180 mm	Spatula lingurita de inox 180 mm
72	LOT 72 Stativ pentru micropipete	PIPH-012-001	Spania	LabBox	Stativ pentru pipete si termometre, capacitate 12 locuri	HORIZONTAL PIPETTE RACK , capacitate 12 locuri

74	LOT 74 Baloane cotate clasa A ; V= 5 ml	VFK3-005-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
75	LOT 75 Baloane cotate clasa A ; V= 10 ml	VFK3-010-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
76	LOT 76 Baloane cotate clasa A ; V=25ml	VFK3-025-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
77	LOT 77 Baloane cotate clasa A ; V=50ml	VFK3-050-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
78	LOT 78 Baloane cotate clasa A ; V=100 ml	VFK3-100-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
79	LOT 79 Baloane cotate clasa A ; V=200 ml	VFK3-200-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>
80	LOT 80 Baloane cotate clasa A ; V=500 ml	VFK3-500-002	Spania	LabBox	<p>Balon cotate cu slif, din sticla borosilicata 3.3 in conformitate cu standardele DIN EN 1042, DIN 12664-2</p> <p>Marcaj de conformitate si numar de lot printat pe vas</p> <p>Marcaj circular cu durabilitate ridicata</p> <p>Livrat cu dop din polietilena care asigura o inchidere ermetica</p> <p>Certificat de calibrare</p>	<p>VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG</p> <p>Made of borosilicate glass LBG 3.3. Designed according to ISO 1042, DIN 12664 and calibrated to contain (TC, In).</p> <p>Batch certificate included</p>

81	LOT 81 Pahare Berzelius:V=50 ml, V=100ml,V=250ml, V=600ml	BKL3-050-012 BKL3-100-012 BKL3-250-012 BKL3-600-006	Spania	LabBox	Pahare Berzelius, realizate din sticla borosilicata 3.3, gradate	Pahare Berzelius, realizate din sticla borosilicata 3.3, gradate	
82	LOT 82 Sticla de ceas	WDIN-P40-010	Spania	LabBox	Sticla de ceas cu diametrul de 40 mm, 10 bucati in set	Sticla de ceas cu diametrul de 40 mm, 10 bucati in set; PREMIUM LINE	
83	LOT 83 Pilnie din sticla Diametru 40mm, Diametru 60 mm Diametru 80 mm	FUS3-040-012 FUS3-060-012 FUS3-080-012	Spania	LabBox	Palnii cu coada scurta, realizate din sticla borosilicata 3.3, , 10 bucati in set	Palnii cu coada scurta, realizate din sticla borosilicata 3.3, , 10 bucati in set	
84	LOT 84 Colbe pentru rotavapor	FLEG-101-001	Spania	LabBox	Colbe pentru rotavapor forma de para, din sticla borosilicate, 100 ml, d=32mm, NS 29/32	EVAPORATING FLASK STANDARD GROUND MOUTH, GLASSCO. Manufactured with top quality 3.3 borosilicate glass. To be used in a rotary evaporator; 100	
85	LOT 85 Creuzete de portelan cu capac	CRMC-100-006	Spania	LabBox	Volum 100 ml, diametru 70mm, inaltimea 60mm, rezistente la T \geq 4500C	Volum 100 ml, diametru 63mm, inaltimea 59mm, rezistente la T \geq 450°C	
86	LOT 86 Creuzete de portelan	CRMC-100-006	Spania	LabBox	Volum 100 ml, diametru 60mm, inaltimea 50mm, rezistente la T \geq 4500C	Volum 100 ml, diametru 63mm, inaltimea 59mm, rezistente la T \geq 450°C	

Valabilitatea ofertei - 30 zile

Semnat: _____

Numele, Prenumele: **Pîslaru Rodica**

În calitate de: **Administrator**

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