

SPECIFICAȚII TEHNICE (F4.1)

Numărul licitației: 21009964	Data: 22.07.2019	
Denumirea licitației: Achiziționarea reactivelor și consumabilelor de laborator (secția Toxicologie medico-legală)		Pagina 1 din 3

Nr. d/o	Codul CPV	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 nr.1 Consumabile de laborator						
1.1	33696500-0	Flacoane medicale		China		sticlă borosilicată, 10 ml, Ø 20 mm		
1.2	33696500-0	Dopuri de cauciuc		China		pentru căpăcele tip AB-2, Ø 20 mm		
1.3	33696500-0	Căpăcele de aluminiu		China		K2-20 tip AB-2		
1.4	33696500-0	Seringi p/u insulină		Olanda	Romed	1ml, cu ac detașabil		ISO
1.5	33696500-0	Plăci cromatografice,		Rusia	Minimed	Sorbifil 10x15, PTSH-P-A-UV		ISO
1.6	33696500-0	Plăci cromatografice		Rusia	Minimed	Sorbifil 10x10 PTSH-P-A-UV		ISO
1.7	33696500-0	pH indicator universal		Cehia	Lach: Ner	pH 0-12, 100 strips		ISO
2		Lot nr.2 Reactivi pentru cromatografie (CSS) și titrare						
2.1	33696500-0	Apă amoniacală 25%		Ucraina	Macrochem	p.a., 23,1-24,9%	Apă amoniacală 25%	ISO
2.2	33696500-0	Acid clorhidric	30721	Germania	Sigma-Aldrich	p.a., ≥ 37%	Acid clorhidric	ISO
2.3	33696500-0	Acid azotic		Ucraina	Macrochem	p.a., ≥ 65%	Acid azotic	ISO
2.4	33696500-0	Etilacetat		Ucraina	Macrochem	p.a., ≥ 98%	Etilacetat	ISO
2.5	33696500-0	Eter dietilic	32203	Germania	Sigma-Aldrich	p.a., 99+%	Eter dietilic	ISO
2.6	33696500-0	Eter de petrol		Ucraina	Macrochem	p.a., ≥ 90%	Eter de petrol	ISO
2.7	33696500-0	Hexan		Ucraina	Macrochem	p.a., ≥ 99,0%	Hexan	ISO

2.8	33696500-0	Benzen		Ucraina	Macrochem	p.a., ≥99,1%,	Benzen	ISO
2.9	33696500-0	Metanol		Ucraina	Macrochem	p.a., ≥ 99,9%	Metanol	ISO
2.10	33696500-0	Toluen		Germania	Sigma-Aldrich	p.a., 99,7%	Toluen	ISO
2.11	33696500-0	Aceton		Ucraina	Macrochem	p.a., 99,8+%	Aceton	ISO
2.12	33696500-0	Acid acetic glacial		Ucraina	Macrochem	p.a., 99,9%	Acid acetic glacial	ISO
2.13	33696500-0	Glicerină		Ucraina	Macrochem	p.a. 99.5 %	Glicerină	ISO
2.14	33696500-0	Acid sulfuric concentrat		Ucraina	Macrochem	p.a, 96 %	Acid sulfuric concentrat	ISO
3		Lot nr. 3 Substanțe standard de referință certificate p/u cuantificarea toxicelelor metalice						
3.1	33696500-0	Cupru standard (Cu)	38996-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Copper Standard for AAS TraceCERT®, 1000 mg/L Cu in nitric acid	ISO
3.2	33696500-0	Mangan standard (Mn)	77036-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Manganese Standard for AAS TraceCERT®, 1000 mg/L Mn in nitric acid	ISO
3.3	33696500-0	Arsenic standard (As)	39436-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Arsenic Standard for AAS TraceCERT®, 1000 mg/L As in nitric acid	ISO
3.4	33696500-0	Mercur standard (Mg)	16482-100ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Mercury Standard for AAS TraceCERT®, 1000 mg/L Hg in nitric acid	ISO
3.5	33696500-0	Plumb standard (Pb),	16595-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Lead Standard for AAS TraceCERT®, 1000 mg/L Pb in nitric acid	ISO
3.6	33696500-0	Staniu standard (Sn)	74244-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Tin Standard for AAS TraceCERT®, 1000 mg/L Sn in hydrochloric acid	ISO
3.7	33696500-0	Bariu standard (Ba)	90092-250ML	Germania	Sigma-Aldrich	standard for AAS, Trace CERT1000mg/l As in nitric acid	Barium Standard for AAS TraceCERT®, 1000 mg/L Ba in nitric acid	ISO
4		Lot nr. 4 Substanțe standard de referință certificate p/u cuantificare substanțelor psihoactive						
4.1	33696500-0	Soluție de Δ9-tetrahidrocannabinol-D3 - 1 ml fiolă	T-003-1ML	Germania	Sigma-Aldrich	0,1 mg/mL în metanol	(-)-Δ9-THC-D3 solution 100 µg/mL in methanol, ampule of 1 mL, certified reference material, Cerilliant®	ISO
4.2	33696500-0	Soluție de Δ8-tetrahidrocannabinol - 1 ml fiolă	T-032-1ML	Germania	Sigma-Aldrich	1,0 mg/mL în metanol	(-)-Δ8-THC solution 1.0 mg/mL in methanol, ampule of 1 mL, certified reference material, Cerilliant®	ISO
5		Lot nr. 5 Reactivi de laborator (săruri) pentru cromatografie (CSS, GC)						
5.1	33696500-0	Sulfat de sodiu anhidru	31481-1KG-R	Germania	Sigma-Aldrich	p.a., >99%	Sodium sulfate puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., anhydrous, ≥99.0%	ISO
5.2	33696500-0	Nitrit de sodiu	901903-2.5KG	Germania	Sigma-Aldrich	p.a., 99.0%	Sodium nitrite anhydrous, Redi-Dri™, ReagentPlus®, ≥99.0%	ISO
5.3	33696500-0	Hidroxid de potasiu	30603-1KG	Germania	Sigma-Aldrich	p.a. 86%	Potassium hydroxide pellets, Reag. Ph. Eur., ≥85%	ISO
5.4	33696500-0	Hidroxid de sodiu	30620-1KG-R	Germania	Sigma-Aldrich	p.a., ≥98.0%	Sodium hydroxide puriss. p.a., ACS reagent, reag. Ph. Eur., K ≤0.02%, ≥98%, pellets	ISO

5.5	33696500-0	Acid trichloroacetic	27242-1KG-R	Germania	Sigma-Aldrich	c.p., > 98%	Trichloroacetic acid puriss., meets analytical specification of Ph. Eur., USP 21, 99-100.5% (calc. to the dried substance)	ISO
5.6	33696500-0	Acid oxalic	194131-1KG	Germania	Sigma-Aldrich	c.p.. 99.6%	Oxalic acid 99%	ISO
5.7	33696500-0	Ditionit de sodiu	71699-50G	Germania	Sigma-Aldrich	p.a., ≥ 85 %	Sodium hydrosulfite ≥82% (RT)	ISO
5.8	33696500-0	Metol	15501-100G-R	Germania	Sigma-Aldrich	ACS, 99%	Metol ECOL™ ≥99% (HPLC)	ISO
5.9	33696500-0	Sulfat de amoniu	A5132-500G	Germania	Sigma-Aldrich	p.a., ≥ 99,5%	Ammonium sulfate ReagentPlus®, ≥99.0%	ISO
5.10	33696500-0	Iodură de potasiu,	207969-100G	Germania	Sigma-Aldrich	p.a., ACS	Potassium iodide ReagentPlus®, 99%	ISO
5.11	33696500-0	1-Naftilamină	N9005-100G	Germania	Sigma-Aldrich	p.a., ACS	1-Naphthylamine ≥99.0%	ISO
5.12	33696500-0	Diclorură de N-1- naftiletildiamin (N-1-нафтилэтилендиаминдихлорид)	222488-25G	Germania	Sigma-Aldrich	98+%, ACS, Reag Ph Eur	N-(1-Naphthyl)ethylenediamine dihydrochloride ACS reagent, >98%	ISO
5.13	33696500-0	Sulfat de sodiu	31481-1KG-R	Germania	Sigma-Aldrich	p.a.. >99%	Sodium sulfate puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., anhydrous, ≥99.0%	ISO
5.14	33696500-0	Clorură de sodiu	31434-1KG-R	Germania	Sigma-Aldrich	p.a., ACS, Reag. Ph Eur, ISO	Sodium chloride puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99.5%	ISO
5.15	33696500-0	Bicarbonat de sodiu	13418-1KG-R	Germania	Sigma-Aldrich	p.a., ACS, Reag. Ph Eur, ISO	Sodium carbonate puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E500, anhydrous, 99.5-100.5% (calc. to the dried substance)	ISO
5.16	33696500-0	Carbonat de sodiu	13418-1KG-R	Germania	Sigma-Aldrich	p.a., ACS, Reag. Ph Eur, ISO	Sodium carbonate puriss., meets analytical specification of Ph. Eur., BP, NF, FCC, E500, anhydrous, 99.5-100.5% (calc. to the dried substance)	ISO
5.17	33696500-0	Clorură de zinc	14422-1KG	Germania	Sigma-Aldrich	p.a., ACS, Reag. Ph Eur, ISO	Zinc chloride puriss., meets analytical specification of Ph. Eur., BP, USP, 98-100.5%	ISO
5.18	33696500-0	Sulfat de sodiu anhidru	31481-1KG-R	Germania	Sigma-Aldrich	≥99.0%, ACS, Reag. Ph Eur, ISO	Sodium sulfate puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., anhydrous, ≥99.0%	ISO
5.19	33696500-0	Hidroxid de sodiu	30620-1KG-R	Germania	Sigma-Aldrich	ACS, Reag. Ph Eur, ISO	Sodium hydroxide puriss. p.a., ACS reagent, reag. Ph. Eur., K ≤0.02%, ≥98%, pellets	ISO
5.20	33696500-0	Sulfat de amoniu	A5132-500G	Germania	Sigma-Aldrich	ACS, Reag. Ph Eur, ISO	Ammonium sulfate ReagentPlus®, ≥99.0%	ISO
5.21	33696500-0	Tetrahexylammonium hydrogen sulfat	87303-5G	Germania	Sigma-Aldrich	p.a., ≥98.0%	Tetrahexylammonium hydrogensulfate ≥98.0% (T)	ISO
5.22	33696500-0	Anhidră pivalică (pivalic acid anhydride)	143502-25G	Germania	Sigma-Aldrich	≥99.0%, ACS Reag. Ph. Eur, ISO	Trimethylacetic anhydride 99%	ISO
5.23	33696500-0	Acetone cianohidrin,	A10000-5G	Germania	Sigma-Aldrich	≥99%, ACS, Reag. Ph. Eur, ISO	Acetone cyanohydrin 99%	ISO
5.24	33696500-0	Silicagel	236756-100G	Germania	Sigma-Aldrich	grad 710, mărimea porilor 50-76 Å (pentru cromatografie în strat subțire), ≥99.0%	Silica gel Davisil® grade 710, pore size 50-76 Å, for thin layer chromatography	ISO
5.25	33696500-0	Carbonat de potasiu	12611-1KG	Germania	Sigma-Aldrich	ACS reagent, ≥ 99,0 %	Potassium carbonate puriss., meets analytical specification of Ph. Helv., anhydrous, granulated, 99-101% (calc. to the dried substance)	ISO

5.26	33696500-0	Ammonium formate, 25 g	70221-25G-F	Germania	Sigma-Aldrich	LC-MS, Ultra eluent additive	Ammonium formate eluent additive for LC-MS, LiChropur®, ≥99.0%	ISO
5.27	33696500-0	Ammonium acetate, 25 g	73594-25G-F	Germania	Sigma-Aldrich	LC-MS, Ultra eluent additive	Ammonium acetate for mass spectrometry, LiChropur®, eluent additive for LC-MS	ISO
67	33696500-0							
6				Lot nr. 6 Gaze				
6.1	33696500-0	Gaz heliu pentru cromatograf Chrom 5		Ucraina	GalaGaz	>99,99%, p/u gaz cromatograf	>99,999%, p/u gaz cromatograf	ISO
		Total:						

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