

SPECIFICAȚII TEHNICE (F4.1)

Numărul licitației: ocds-b3wdp1-MD-1632405282697	Data: 04.10.2021	
Denumirea licitației: Achiziționarea reagenți chimici și consumabile de laborator	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
	Lot 3. LCȘ Materiale organice/anorganice in optoelectronica						
36	Acid formic	FORA-A0A-1K0	Spania	LabBox	(>95%)	FORMIC ACID 98% AGR ACS	
37	Dimethyl sulfoxide	2380-1L	Germania	SigmaAldrich	(>99.7%)	Dimethyl sulfoxide for synthesis (min. 99.8 %), CHEMSOLUTE®	
38	Nanoparticule magnetice Fe ₃ O ₄	07318-100ML-F	Germania	SigmaAldrich	(>99.7%), 0.8-1.4% solid material basis, 0.5-0.7% Fe basis	Magnetic iron oxide nanoparticles 0.8-1.4% solid material basis, 0.5-0.7% Fe basis	
39	L-Aspartic acid	PHR1104-1G	Germania	SigmaAldrich	L-Aspartic acid, 99%, low metals content	L-Aspartic acid Pharmaceutical Secondary Standard; Certified Reference Material	
40	L-Aspartic acid dimethyl ester hydrochloride	456233-5G	Germania	SigmaAldrich	L-Aspartic acid dimethyl ester hydrochloride, min. 98%, amb. 5g	L-Aspartic acid dimethyl ester hydrochloride 97%	
41	Chlorosulfonic acid	8451270250	Germania	SigmaAldrich	Chlorosulfonic acid, typically 99%, 250g	Chlorosulfonic acid Msynth™ plus	
42	N-Butyl-N-(4-hydroxybutyl) nitrosamine	B8061-1G	Germania	SigmaAldrich	N-Butyl-N-(4-hydroxybutyl)nitrosamine	N-Butyl-N-(4-hydroxybutyl)nitrosamine ISOPAC®, ≥90% (GC)	
43	β-Cyclodextrin polymer	C2485-1G	Germania	SigmaAldrich	β-Cyclodextrin polymer	β-Cyclodextrin polymer powder	
44	2,4-Bis[4-(N,N diisobutylamino)-2,6 dihydroxyphenyl] squaraine	758337-1G	Germania	SigmaAldrich	2,4-Bis[4-(N,N-diphenylamino)-2,6 dihydroxyphenyl]squaraine min. 98% - 1π	2,4-Bis4-(N,N-diisobutylamino)-2,6-dihydroxyphenyl squaraine 97%	
45	Hexadecyltrimethylammonium bromide	H5882-100G	Germania	SigmaAldrich	(1-Hexadecyl)trimethylammonium bromide, min. 98%	Hexadecyltrimethylammonium bromide ≥98%	

46	4-Hydroxybenzoic acid	H20059-100G	Germania	SigmaAldrich	(>99.7%)	4-Hydroxybenzoic acid ReagentPlus®, 99%	
47	HCl	30721-1L	Germania	SigmaAldrich	Acid clorhidric a.r. 37%, for laboratory use	Hydrochloric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., fuming, ≥37%, APHA: ≤10	
48	Acetic acid	33209-2.5L	Germania	SigmaAldrich	Acid acetic glacial, c.p. >99.9%, amb. flacon 1.0L,	Acetic acid glacial, puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99.8%	
49	Nitric acid	NIAC-50P-1K0	Spania	LabBox	Acid azotic, pur, >55%, ambalaj flacon 1L	NITRIC ACID EPR	
50	Sulfuric acid	30743-2.5L	Germania	SigmaAldrich	Acid sulfuric, p. 96%, ambalat 1L/1.8kg	Sulfuric acid, puriss. p.a., for determination of Hg, ACS Reagent, Reag. ISO, Reag. Ph. Eur., 95.0-	
51	Curcumin	49256996	Germania	SigmaAldrich	Curcumin, 95% (total curcuminoid content), from Turmeric rhizome	Curcumin, >98% (49256996 458-37-7)	
52	Poly(L-lactide-co-glycolide)	790214-1G	Germania	SigmaAldrich	Poly(L-lactide-co-caprolactone-co-glycolide) L-lactide 70 %, average	Poly(L-lactide-co-glycolide) L-lactide:glycolide 5:95, viscosity ≥ 1.1 dL/g	
	Lot 4. LCȘ Materiale organice/anorganice în optoelectronica						
53	Indium phthalocyanine chloride	791857-1G	Germania	SigmaAldrich	(>95%)	Indium(III) phthalocyanine chloride Dye content 95 %	
54	Gallium(III)-phthalocyanine chloride	408808-1G	Germania	SigmaAldrich	(>97%)	Gallium(III)-phthalocyanine chloride Dye content 97 %	
55	2,3,4,6-Tetra-o-acetyl-alpha D-glucopyranosyl chloride	A1750-10G	Germania	SigmaAldrich	(>99.7%)	2,3,4,6-Tetra-O-acetyl-α-D-glucopyranosyl bromide, ≥95% (TLC)	
	Lot 5. LCȘ Biochimia Plantelor						
56	Acid sulfuric concentrat	30743-2.5L	Germania	SigmaAldrich	Ambalaj a cite 2,5 L plastic rezistent, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Sulfuric acid, puriss. p.a., for determination of Hg, ACS Reagent, Reag. ISO, Reag. Ph. Eur., 95.0-97.0%, Honeywell	
57	Acid fosforic concentrat	30417-1L	Germania	SigmaAldrich	Ambalaj a cite 1 L plastic rezistent, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur., ≥85%, Orthophosphoric acid	Phosphoric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥85%	
58	Calcium oxid	248568-500G	Germania	SigmaAldrich	Ambalaj - recipient din sticlă 250 g, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Calcium oxide reagent grade	
59	Aluminium oxid	769290-100G	Germania	SigmaAldrich	Ambalaj - recipient din sticlă 100 g, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Aluminum oxide powder, ultra dry	
60	Benzol (benzene)	32212-1L	Germania	SigmaAldrich	Ambalaj - recipient din sticlă 1 L, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Benzene puriss. p.a., reag. Ph. Eur., ≥99.7%	

61	Glycine	23390,04	Germania	SigmaAldrich	Ambalaj a câte 1 kg, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Glycine analytical grade, Ph. Eur., USP, Serva	
62	Hidroxid de sodiu	SOHY-M0P-1K0	Spania	LabBox	Ambalaj a câte 1 kg, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Ambalaj a câte 1 kg, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	
63	Hexan	34859-2.5L	Germania	SigmaAldrich	Ambalaj 5 L, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Hexane suitable for HPLC, ≥97.0% (GC)	
64	Marcheri molecular pentru DSN-electroforeza	S8445-1VL	Germania	SigmaAldrich	Marcheri molecular pentru DSN electroforeza, pre-colorate, Mw 10-170 kD, ACS reag. ISO, reag. Ph. Eur. 1 buc = 2x250 µL	SigmaMarker™ wide range, mol wt 6,500-200,000 Da	
65	2-Naftil acetat (2-naphtyl acetate)	N6875-5G	Germania	SigmaAldrich	Ambalaj a câte 5 g, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	2-Naphthyl acetate	
66	Tris(hydroxymethyl) aminomethane	37181,02	Germania	SigmaAldrich	Ambalaj 1 kg, sticlă/plastic, ACS reagent, puriss. p.a., reag. ISO, reag. Ph. Eur.	Tris(hydroxymethyl)aminomethane electrophoresis grade, Serva	
67	Cilindre gradat, 100 ml	MCHA-100-001	Spania	LabBox	gradat din sticlă 100 ml	MEASURING CYLINDER HEXAGONAL BASE, CLASS A, GLASSCO	
68	Pahare gradate, 100 ml	BKT3-100-012	Spania	LabBox	din sticlă termorezistentă 100 ml diametrul min. 45mm, înălțime min. 90mm	BEAKER, TALL FORM, LBG 100 ml	
69	Pahare gradate, 500 ml	BKT3-500-006	Spania	LabBox	sticlă termorezistentă, gradate, 500 ml	BEAKER, TALL FORM, LBG 500 ml	
70	Mănuși de laborator din nitril, 5-6/S	080.15.001	Germania	SigmaAldrich	Mănuși de laborator, din nitril, fără praf, grosimea 4 mil, mărime 5-6/S, 1 bucată = 1 cutie a câte 100 bucăți	gloves - nitrile - 0,6 mm standard thickness - small - 100 pieces/box - 100 - Pack	
71	Mănuși de laborator din nitril, 7-8/L	080.15.003	Germania	SigmaAldrich	Mănuși de laborator, din nitril, fără praf, grosimea 4 mil, mărim. 7-8/L, 1 bucată = 1 cutie a câte 100 bucăți	gloves - nitrile - 0,6 mm standard thickness - large - 100 pieces/box - 100 - Pack	
72	Pâlnie din sticlă, d=100 mm	FUS3-100-006	Spania	LabBox	sticlă rezistentă chimic, diametru min. 100 mm, înălțime min 160 mm (80+80 mm)	sticlă rezistentă chimic, diametru min. 100 mm, înălțime min 160 mm (80+80 mm)	
73	Pâlnie din sticlă, d=60 mm	FUS3-060-012	Spania	LabBox	sticlă rezistentă chimic, diametru min. 60 mm, înălțime total min. 100 mm (40+60 mm)	sticlă rezistentă chimic, diametru min. 60 mm, înălțime total min. 100 mm (40+60 mm)	

74	Colbe cotate, 100 ml	VFK3-100-002	Spania	LabBox	100 ml, cu gît diametru 10-12 mm	VOLUMETRIC FLASK CLASS A WITH PLASTIC STOPPER, LBG 100 ml	
75	Micropipeta automată, 1-5 ml	EASD-5KP-001	Spania	LabBox	Micropipeta automată cu volum variabil 1-5 ml, Pasul 0,01 ml, Exactitatea 0.6 -1%, Precizia 0.2 - 0.6%, vîrfuri 100 buc incluse	Micropipeta automată cu volum variabil 1-5 ml, Pasul 0,01 ml, Exactitatea 0.6 -1%, Precizia 0.2 - 0.6%, vîrfuri 100 buc incluse	
76	Pipete gradate, 5 ml	MPI2-005-005	Spania	LabBox	sticlă rezistentă chimic, volum 5ml, pasul 0,1 ml	GLASS MEASURING PIPETTE, CLASS A PREMIUM LINE 5 ml	
77	Mojar de portelan, d=120 mm, h=65 mm	MORK-150-001	Spania	LabBox	Mojar de portelan, diametru min. 120 mm, înălțime min. 65 mm	Mojar de portelan, diametru min. 120 mm, înălțime min. 65 mm	
78	Mojar de porțelan cu cioc, d=60 mm, h=40 mm, cu pistil	MORK-060-001	Spania	LabBox	Mojar de porțelan cu cioc, diametru 60 mm, înălțime 40 mm, cu pistil	Mojar de porțelan cu cioc, diametru 60 mm, înălțime 40 mm, cu pistil	
	Lot 6. Centrul Genetica functionala						
79	CEN PCB Congener Mix-1	47927	Germania	SigmaAldrich	Analytica standard for GC analysis, ampula 1 ml	CEN PCB Congener Mix-1 10 µg/mL each component in heptane, analytical standard	
80	Decachlorobiphenyl 200ug/ml in acetone	48318	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Decachlorobiphenyl solution certified reference material, 200 µg/mL in acetone	
81	EPA 8310 PAH Mix, EPA Polynuclear aromatic hydrocarbon mix	CRM47543	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Polynuclear Aromatic Hydrocarbons Mix certified reference material, 2000 µg/mL each component in benzene: dichloromethane (50:50), ampule of 1 mL	
82	EPA 8081 Pesticide Standard Mix	CRM46845	Germania	SigmaAldrich	certified reference material, ampula 1 ml	EPA 8081 Pesticide Standard Mix certified reference material, 200 µg/mL in hexane: toluene	
83	Aroclor 1242	48706	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Aroclor 1242 solution certified reference material, 200 µg/mL in methanol	
84	Aroclor 1254	48707	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Aroclor 1254 solution certified reference material, 200 µg/mL in methanol	
85	Aroclor1260	48704	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Aroclor 1260 solution certified reference material, 200 µg/mL in methanol	
86	KDWR Pesticides Kit	47627-U	Germania	SigmaAldrich	Analytical standard for GC analysis, 1 bucată = 1 set	KDWR Pesticides Kit 1000 µg/mL each component in methanol, PESTANAL®, analytical standard	
87	Carbamate Pesticides WS	PE1507-2ML	Germania	SigmaAldrich	Analytical standard for GC analysis, ampula 1 ml	Carbamate Pesticides - WS Proficiency Testing Material	
88	Carbamazepine solution	C-053-1ML	Germania	SigmaAldrich	certified reference material, ampula 1 ml	Carbamazepine solution 1.0 mg/mL in methanol, ampule of 1 mL, certified reference material,	
89	Terbuthylazine	45678-250MG-R	Germania	SigmaAldrich	Analytical standard for GC analysis, 250 mg	Terbuthylazine PESTANAL®, analytical standard	
90	Fluoride Standard for IC	77365-100ML	Germania	SigmaAldrich	certified reference material, volum 100 ml	Fluoride Standard for IC TraceCERT®, 1000 mg/L fluoride in water	
91	Chloride Standard for IC	39883-100ML	Germania	SigmaAldrich	certified reference material, volum 100 ml	Chloride Standard for IC TraceCERT®, 1000 mg/L chloride in water	
92	Sulphate Standard for IC	90071-100ML	Germania	SigmaAldrich	certified reference material, volum 100 ml	Sulfate Standard for IC TraceCERT®, 1000 mg/L sulfate in water	

93	Ammonium Standard for IC	59755-100ML	Germania	SigmaAldrich	certified reference material, volum 100 ml	Ammonium Standard for IC TraceCERT®, 1000 mg/L NH4+ in water	
94	Nitrate Standard for IC	74246-100ML	Germania	SigmaAldrich	certified reference material, volum 100 ml	Nitrate Standard for IC TraceCERT®, 1000 mg/L nitrate in water	

Valabilitatea ofertei - 60 zile

Semnat:_____

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