

## SPECIFICAȚII TEHNICE (F4.1)

Numărul procedurii de achiziție: 21047684 din 28.11.2021

Denumirea procedurii de achiziție: Reagenți chimici

Nr. d/o	Codul CPV	Denumirea bunurilor și specificația tehnică deplină solicitată	Modelul articolu- lui	Țara de origine	Producătorul	Specificarea tehnică deplină	Specificarea tehnică deplină propusă de către ofertant	Standar-de de referință
<b>Lotul 1 Reagenți chimici.</b>								
1	24900000-3	4-Pyridinepropionic acid	760218-1G	Germania	Sigma-Aldrich		4-Pyridinepropionic acid 97%	ISO
2	24900000-3	Biphenyl-4,4'-dicarboxylic acid	225266-25G	Germania	Sigma-Aldrich		Biphenyl-4,4'-dicarboxylic acid 97%	ISO
3	24900000-3	2,2-Bipyridine-4,4'-dicarboxylic acid	550566-1G	Germania	Sigma-Aldrich		2,2'-Bipyridine-4,4'-dicarboxylic acid 98%	ISO
4	24900000-3	4,4'-Dipyridyl	289426-25G	Germania	Sigma-Aldrich		4,4'-Dipyridyl 98%	ISO
5	24900000-3	1,2-Bis(4-pyridyl)ethane	B51801-10G	Germania	Sigma-Aldrich		1,2-Bis(4-pyridyl)ethane 99%	ISO
6	24900000-3	4,4'-Trimethylenedipyridine	121193-100G	Germania	Sigma-Aldrich		4,4'-Trimethylenedipyridine 98%	ISO
7	24900000-3	1,2,4,5-Tetrakis(4-carboxyphenyl)benzene	715298-1G	Germania	Sigma-Aldrich		1,2,4,5-Tetrakis(4-carboxyphenyl)benzene contains up to 6 wt. % water, ≥98%	ISO
8	24900000-3	1,3,5-Tris(4-carboxyphenyl)benzene	686859-1G	Germania	Sigma-Aldrich		1,3,5-Tris(4-carboxyphenyl)benzene ≥98%, ≤20 wt. % solvent	ISO
9	24900000-3	2,2'-Biphenyldicarboxylic acid	126691-25G	Germania	Sigma-Aldrich		Diphenic acid (Biphenyl-2,2'-dicarboxylic acid) 97%	ISO
10	24900000-3	2,6-Naphthalenedicarboxylic acid	301353-5G	Germania	Sigma-Aldrich		2,6-Naphthalenedicarboxylic acid 95%	ISO
11	24900000-3	Pahare chimice termorezistente	12000101	Rusia	Minimed		Pahare chimice termorezistente	ISO

12	24900000-3	Dimetilformamidă	33120-2.5L-R	Germania	Sigma-Aldrich		N,N-Dimethylformamide puriss. p.a., ACS reagent, reagent grade, Ph. Eur., ≥99.8% (GC)	ISO
13	24900000-3	Dimetilsulfoxidă	2380-1L	Germania	Sigma-Aldrich		Dimethyl sulfoxide for synthesis (min. 99.8 %)	ISO
14	24900000-3	Acetonitril	34851-2.5L	Germania	Sigma-Aldrich		Acetonitrile suitable for HPLC, gradient grade, ≥99.9%	ISO
15	24900000-3	Tricarballic acid, 99%	T53503-25G	Germania	Sigma-Aldrich		Tricarballic acid 99%	ISO
16	24900000-3	4-Pyridylacetic acid hydrochloride, 98%	P65851-5G	Germania	Sigma-Aldrich		4-Pyridylacetic acid hydrochloride 98%	ISO
17	24900000-3	Chloroacetic acid	C19627-1KG	Germania	Sigma-Aldrich		Chloroacetic acid 99%	ISO
18	24900000-3	β-Alanine	146064-500G	Germania	Sigma-Aldrich		β-Alanine 99%	ISO
19	24900000-3	Anthranilic acid	A89855-100G	Germania	Sigma-Aldrich		Anthranilic acid reagent grade, ≥98%	ISO
20	24900000-3	4-Pyridinecarboxylic acid	I17508-500G	Germania	Sigma-Aldrich		Isonicotinic acid 99%	ISO
21	24900000-3	Zn(BF <sub>4</sub> ) <sub>2</sub> •xH <sub>2</sub> O	333875-50G	Germania	Sigma-Aldrich		Zinc tetrafluoroborate hydrate	ISO
22	24900000-3	Zn(ClO <sub>4</sub> ) <sub>2</sub> •6H <sub>2</sub> O	401439-100G	Germania	Sigma-Aldrich		Zinc perchlorate hexahydrate	ISO
23	24900000-3	Co(BF <sub>4</sub> ) <sub>2</sub> • 6H <sub>2</sub> O	FL4572-25G	Germania	Sigma-Aldrich		Cobalt tetrafluoroborate hexahydrate 99%, ChemPUR	ISO
24	24900000-3	Manganese(II) sulfate monohydrate, MnSO	221287-100G	Germania	Sigma-Aldrich		Manganese(II) sulfate monohydrate ACS reagent, ≥98%	ISO
25	24900000-3	Vanadium(IV) oxide sulfate hydrate, VOSO	233706-25G	Germania	Sigma-Aldrich		Vanadium(IV) oxide sulfate hydrate 97%	ISO
26	24900000-3	4,4'-Diaminodiphenylmethane	32950-50G	Germania	Sigma-Aldrich		4,4'-Diaminodiphenylmethane ≥97.0% (GC)	ISO
27	24900000-3	Succinic acid disodium salt, 99%	14160-100G	Germania	Sigma-Aldrich		Sodium succinate dibasic purum, anhydrous, ≥98.0% (NT)	ISO
28	24900000-3	Europium(III) nitrate hydrate, 99.99%	254061-1G	Germania	Sigma-Aldrich		Europium(III) nitrate hydrate 99.99% trace metals basis	ISO
29	24900000-3	Dysprosium(III) nitrate hydrate, 99.9%	298158-25G	Germania	Sigma-Aldrich		Dysprosium(III) nitrate hydrate 99.9% trace metals basis	ISO

**Lotul 2 Reagenți pentru prepararea mediilor nutritive pentru cultura in vitro.**

1	24900000-3	Ammonium nitrate, A3795-500G	A3795-500G	Germania	Sigma-Aldrich		Ammonium nitrate suitable for plant cell culture	ISO
2	24900000-3	Potassium nitrate, P8291-500G	P8291-500G	Germania	Sigma-Aldrich		Potassium nitrate BioReagent, suitable for cell culture, suitable for plant cell culture	ISO
3	24900000-3	Magnesium sulfate heptahydrate, M2773-500G	M2773-500G	Germania	Sigma-Aldrich		Magnesium sulfate heptahydrate BioReagent, for molecular biology, suitable for plant cell culture, ≥99.0%	ISO

4	24900000-3	Potassium phosphate monobasic, P5655-100G	P5655-100G	Germania	Sigma-Aldrich		Potassium phosphate monobasic powder, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0%	ISO
5	24900000-3	Calcium chloride dihydrate, C7902-500G	C7902-500G	Germania	Sigma-Aldrich		Calcium chloride dihydrate BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥99.0%	ISO
6	24900000-3	Manganese(II) sulfate monohydrate, M7899-500G	M7899-500G	Germania	Sigma-Aldrich		Manganese(II) sulfate monohydrate BioReagent, suitable for plant cell culture, suitable for cell culture	ISO
7	24900000-3	Cobalt(II) chloride hexahydrate, C8661-25G	C8661-25G	Germania	Sigma-Aldrich		Cobalt(II) chloride hexahydrate BioReagent, suitable for cell culture, suitable for insect cell culture	ISO
8	24900000-3	Sodium molybdate dihydrate, M1651-100G	M1651-100G	Germania	Sigma-Aldrich		Sodium molybdate dihydrate ≥99.5%, suitable for plant cell culture	ISO
9	24900000-3	Iron(II) sulfate heptahydrate, F8633-250G	F8633-250G	Germania	Sigma-Aldrich		Iron(II) sulfate heptahydrate BioReagent, suitable for cell culture, suitable for insect cell culture, ≥99%	ISO
10	24900000-3	Ethylenediaminetetraacetic acid disodium salt dihydrate, E6635-100G	E6635-100G	Germania	Sigma-Aldrich		Ethylenediaminetetraacetic acid disodium salt dihydrate Sigma Grade, suitable for plant cell culture, 98.5-101.5%	ISO
11	24900000-3	Glycine, G8790-100G	G8790-100G	Germania	Sigma-Aldrich		Glycine from non-animal source, meets EP, JP, USP testing specifications, suitable for cell culture, ≥98.5%	ISO
12	24900000-3	Thiamine hydrochloride, T1270-25G	T1270-25G	Germania	Sigma-Aldrich		Thiamine hydrochloride BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture	ISO
13	24900000-3	Pyridoxine hydrochloride, P6280-10G	P6280-10G	Germania	Sigma-Aldrich		Pyridoxine hydrochloride BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture	ISO
14	24900000-3	Nicotinic acid BioReagent, N0761-100G	N0761-100G	Germania	Sigma-Aldrich		Nicotinic acid BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture, ≥98%	ISO
15	24900000-3	myo-Inositol, I7508-100G	N0761-100G	Germania	Sigma-Aldrich		myo-Inositol BioReagent, suitable for cell culture, suitable for insect cell culture, suitable for plant cell culture	ISO
16	24900000-3	Sucrose, S5390-1KG	SUC10500	Ungaria	Biolab		Sucrose Crystalline powder, easily soluble in water	ISO
17	24900000-3	Agar powder, 05040-1KG	BAA10500	Ungaria	Biolab		BACTERIOLOGICAL AGAR Fine powder amb. 500G	ISO
18	24900000-3	Magenta™ B-cap B8648-500EA	B8648-500EA	Germania	Sigma-Aldrich		Magenta™ B-cap for use in plant tissue culture, autoclavable	ISO

### Lotul 3. Reagenți pentru laboratorul Cîmîe experimentală.

1	24900000-3	Bismuth(III) oxide	95381-100G	Germania	Sigma-Aldrich		Bismuth(III) oxide purum, ≥98.0% (KT)	ISO
2	24900000-3	Chromium(III) chloride hexahydrate, CrCl <sub>3</sub> ·6H <sub>2</sub> O	27096-100G-F	Germania	Sigma-Aldrich		Chromium(III) chloride hexahydrate purum p.a., ≥98.0% (RT)	ISO
3	24900000-3	Gallium(III) oxide, Ga <sub>2</sub> O <sub>3</sub>	215066-10G	Germania	Sigma-Aldrich		Gallium(III) oxide ≥99.99% trace metals basis	ISO

4	24900000-3	Indium(III) oxide, In <sub>2</sub> O <sub>3</sub>	289418-10G	Germania	Sigma-Aldrich		Indium(III) oxide 99.99% trace metals basis	ISO
5	24900000-3	Strontium carbonate, SrCO <sub>3</sub>	289833-250G	Germania	Sigma-Aldrich		Strontium carbonate ≥98%	ISO
<b>Lotul 4. Reagenți proiect studenți.</b>								
1	24900000-3	2-Pyridinepropionic acid	760226-1G	Germania	Sigma-Aldrich		2-Pyridinepropionic acid 97%	ISO
2	24900000-3	Dimetilformamidă	33120-2.5L-R	Germania	Sigma-Aldrich		N,N-Dimethylformamide puriss. p.a., ACS reagent, reag. Ph. Eur., ≥99.8% (GC)	ISO
3	24900000-3	Dimetilsulfoxidă	2380-1L	Germania	Sigma-Aldrich		Dimethyl sulfoxide for synthesis (min. 99.8 %)	ISO
4	24900000-3	Acetonitril	34851-1L	Germania	Sigma-Aldrich		Acetonitrile suitable for HPLC, gradient grade, ≥99.9%	ISO
<b>Lotul 5. Metanol.</b>								
1	24900000-3	Metanol	38200	Ucraina	Macrochem		Metanol amb. 1L	ISO

Semnat: \_\_\_\_\_

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Valabilitatea ofertei: 30 zile

03.12.2021

