

SPECIFICAȚII TEHNICE (F4.1)

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1652173438493 din 10.05.2022

Denumirea procedurii de achiziție: REACTIVI ȘI CONSUMABILE PENTRU CROMATOGRAFIE DE LICHIDE DE ÎNALTĂ PERFORMANȚĂ

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	33100000-1	LOT 1 Methanol	34885-2.5L	Germania	Honeywell	Ambalaj original, hypergrade for LC-MS and HPLC puritatea >99.9%	Methanol, CHROMASOLV™, gradient grade, for HPLC, ≥99.9%, Honeywell	ISO
2	33100000-1	LOT 2 Acetonitril	34851-2.5L	Germania	Honeywell	Ambalaj original, hypergrade for LC-MS and HPLC puritatea >99.9%	Acetonitrile, CHROMASOLV™, gradient grade, for HPLC, ≥99.9%, Honeywell	ISO
3	33100000-1	LOT 3 Ethyl acetate	34858-2.5L	Germania	Honeywell	Ambalaj original, for HPLC puritatea >98.0%	Ethyl acetate, CHROMASOLV™, for HPLC, ≥99.7%, Honeywell	ISO
4	33100000-1	LOT 4 Acetona	34850-2.5L	Germania	Sigma Aldrich	Ambalaj original, for HPLC puritatea >99.8%	Acetone suitable for HPLC, ≥99.8%	ISO
5	33100000-1	LOT 5 Potassium phosphate monobasic (KH ₂ PO ₄)	1648-250G	Germania	CHEMSOLUTE	Ambalaj original, puritatea >95.0%	Potassium dihydrogen phosphate p. a., ACS, ISO, Ph. Eur. (min. 99.5%), CHEMSOLUTE®	ISO
6	33100000-1	LOT 6 Sodium phosphate monobasic (NaH ₂ PO ₄)	71496-250G	Germania	Sigma Aldrich	Ambalaj original, puritatea >95.0%	Sodium phosphate monobasic purum p. a., anhydrous, ≥99.0% (T)	ISO
7	33100000-1	LOT 7 Sodium phosphate tribasic dodecahydrate (Na ₃ PO ₄ 12H ₂ O)	1348-1KG	Germania	CHEMSOLUTE	Ambalaj original, puritatea >95.0%	tri-Sodium phosphate dodecahydrate p. a., ACS, Ph. Eur. (min. 99.0%), CHEMSOLUTE®	ISO
8	33100000-1	LOT 8 Acid tricloroacetic	T6399-250G	Germania	Sigma Aldrich	Ambalaj original, puritatea >99.0%	Trichloroacetic acid ACS reagent, ≥99.0%	ISO
9	33100000-1	LOT 9 Formiat de amoniu	156264-500G	Germania	Sigma Aldrich	Ambalaj original, puritatea >97.0%	Ammonium formate reagent grade, 97%	ISO
10	33100000-1	LOT 10 Dimethyl sulfoxide	D5879-500ML	Germania	Sigma Aldrich	Ambalaj original, puritatea >99.0%	Dimethyl sulfoxide ReagentPlus®, ≥99.5%	ISO

11	33100000-1	LOT 11 Cloroform	650498-1L	Germania	Sigma Aldrich	HPLC Plus, for HPLC, GC, and residue analysis, puritatea $\geq 99.9\%$,	Chloroform HPLC Plus, for HPLC, GC, and residue analysis, $\geq 99.9\%$, contains amylenes as stabilizer	ISO
12	33100000-1	LOT 12 Trietilamina	T0886-1L	Germania	Sigma Aldrich	Ambalaj original, puritatea $> 97.0\%$	Triethylamine $\geq 99\%$	ISO
13	33100000-1	LOT 13 Borohidru de sodiu NaBH ₄	452882-25G	Germania	Sigma Aldrich	Ambalaj original, puritatea $> 95.0\%$	Sodium borohydride powder, $\geq 98.0\%$	ISO
14	33100000-1	LOT 14 1-N-methylimidazole	M50834-100G	Germania	Sigma Aldrich	Ambalaj original, puritatea $> 99.0\%$	1-Methylimidazole ReagentPlus®, 99%	ISO
15	33100000-1	LOT 15 Trifluoroacetic anhydride	106232-100G	Germania	Sigma Aldrich	Ambalaj original, puritatea $> 99.0\%$	Trifluoroacetic anhydride ReagentPlus®, $\geq 99\%$	ISO
16	33100000-1	LOT 16 Dimethylformamida	33120-2.5L-R	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.8\%$	N,N-Dimethylformamide puriss. p.a., ACS reagent, reag. Ph. Eur., $\geq 99.8\%$ (GC)	ISO
17	33100000-1	LOT 17 Tetrahydrofuran	34865-1L	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.9\%$	Tetrahydrofuran inhibitor-free, suitable for HPLC, $\geq 99.9\%$	ISO
18	33100000-1	LOT 18 Peroxid de hydrogen, 30%,	31642-1L	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.0\%$	Hydrogen peroxide solution, Perdrogen™ 30% H ₂ O ₂ H ₂ O ₂ (w/w) puriss. p.a., Reag. ISO, Reag. Ph. Eur., Honeywell	ISO
19	33100000-1	LOT 19 Oxid de magneziu	13138-500G	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 90.0\%$	Magnesium oxide puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, E 530, light, 98.0-100.5% (calc. for dried substance)	ISO
20	33100000-1	LOT 20 Azotat de magneziu Mg(NO ₃) ₂ *6H ₂ O	237175-500G	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 98.0\%$	Magnesium nitrate hexahydrate ACS reagent, 99%	ISO
21	33100000-1	LOT 21 Permanganat de potasiu KMnO ₄	223468-25G	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.0\%$	Potassium permanganate ACS reagent, $\geq 99.0\%$	ISO
22	33100000-1	LOT 22 Urotropina	398160-250G	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.0\%$	Hexamethylenetetramine ACS reagent, $\geq 99.0\%$	ISO
23	33100000-1	LOT 23 Modificator de matrice Fosfat de amoniu NH ₄ H ₂ PO ₄	VHG-MAP10P-100	Germania	Sigma Aldrich	Concentratia NH ₄ H ₂ PO ₄ -10% in acid azotic -2 %, ambalaj original	Ammonium Phosphate GFAA Matrix Modifier: 10% NH ₄ H ₂ PO ₄ in 2% HNO ₃ , LGC Standards	ISO
24	33100000-1	LOT 24 Fluram fluorescence	F9015-100MG	Germania	Sigma Aldrich	Ambalaj original, for HPLC puritatea $> 98.0\%$	Fluorescamine $\geq 98\%$ (TLC), powder, used for detection of primary amines	ISO
25	33100000-1	LOT 25 Acid aceti glacial	401431-1L	Germania	Sigma Aldrich	Ambalaj original, pentru HPLC puritatea $> 99.80\%$	Acetic acid glacial RS - For HPLC - Isocratic Grade, CARLO ERBA	ISO
26	33100000-1	LOT 26 Acid azotic $\geq 68\%$,	141037-1L	Germania	Sigma Aldrich	Ambalaj original, puritatea $\geq 99.0\%$	Nitric Acid 69% (USP-NF, BP, Ph. Eur.) pure, pharma grade, AppliChem	ISO
27	33100000-1	LOT 27 Acid clorhidric	30721-2.5L	Germania	Sigma Aldrich	Concentratia $\geq 37\%$, Ambalaj original, puritate $> 95.0\%$	Hydrochloric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., fuming, $\geq 37\%$, APHA: ≤ 10	ISO
28	33100000-1	LOT 28 Eter dietilic	309966-1L	Germania	Sigma Aldrich	Ambalaj original, for HPLC puritatea $> 98.0\%$	Diethyl ether suitable for HPLC, $\geq 99.9\%$, inhibitor-free	ISO

29	33100000-1	LOT 29 Hidroxid de sodiu	30620-1KG	Germania	Honeywell	Ambalaj original, puritatea >99.5% (pentru HPLC), cu certificat trasabil	Sodium hydroxide, puriss. p.a., Reag. Ph. Eur., K ≤0.02%, pellets, Honeywell	ISO
30	33100000-1	LOT 30 Tripotassium phosphate K3PO4	P5629-500G	Germania	Sigma Aldrich	Ambalaj original puritatea ≥98.0%	Potassium phosphate tribasic reagent grade, ≥98%	ISO
31	33100000-1	LOT 31 Triton X-100	X100-100ML	Germania	Sigma Aldrich	Ambalaj original puritatea ≥95.0%	Triton™ X-100 laboratory grade	ISO
32	33100000-1	LOT 32 Tert-butyl methyl ether	2529-1L	Germania	CHEMSOLUTE	Ambalaj original puritatea ≥99.0%	tert.-Butyl methyl ether for HPLC (min. 99.8 %), CHEMSOLUTE®	ISO
33	33100000-1	LOT 33 Sodiu acetate	32319-1KG	Germania	Honeywell	Ambalaj original puritatea ≥98.0%	Sodium acetate puriss. p.a., ACS reagent, reag. Ph. Eur., anhydrous, Honeywell	ISO
34	33100000-1	LOT 34 Heptane	34873-2.5L	Germania	Honeywell	Ambalaj original puritatea ≥99.0%	Heptane, CHROMASOLV™, for HPLC, ≥99%, Honeywell	ISO
35	33100000-1	LOT 35 Ethanol	2222-1L	Germania	CHEMSOLUTE	Ambalaj original puritatea ≥99.0%	Ethanol absolute for HPLC (min. 99.9 %), CHEMSOLUTE®	ISO
36	33100000-1	LOT 36 Cartușe de extracție SPE în fază solidă	UCT-CSDAU506	Germania	Sigma Aldrich	Clean Screen DAU, 500mg/6ml	Clean Screen DAU SPE Cartridges, 500mg, 6ml, pk.50	ISO
37	33100000-1	LOT 37 Cartușe de extracție SPE în fază solidă	730923P30	Germania	MACHEREY-NAGEL	Styre Screen HLB and N-vinylpyrrolidone, 60mg/3ml	SPE columns, CHROMABOND HLB, 30 μm, 3 mL/60 mg (Package unit 30 Piece)	ISO
38	33100000-1	LOT 38 Cartușe de extracție SPE în fază solidă	730926P30	Germania	MACHEREY-NAGEL	Styre Screen HLB and N-vinylpyrrolidone, 200mg/6ml	SPE columns, CHROMABOND HLB, 30 μm, 6 mL/200 mg (Package unit 30 Piece)	ISO
39	33100000-1	LOT 39 Cartuse de purificare	TR-SP-0105	Germania	Teknokroma	33 μm Polymeric Reversed Phase, 60 mg / 3 mL, Sorbent Type: Polymer-based, Phase: Surface modified styrene divinylbenzene, Format:Tube	CARTUCHOS SPE HLB X33μm (60mg./3ml) 50 box	ISO
40	33100000-1	LOT 40 Cartuse de purificare	TR-SP-0110	Germania	Teknokroma	33 μm Polymeric Reversed Phase, 200 mg / 6 mL, Sorbent Type:Polymer-based, Format:Tube Phase:Surface modified styrene divinylbenzene	CARTUCHOS SPE HLB X33μm HLB SPE Cartridges 200mg/6mL pk/30	ISO
41	33100000-1	LOT 41 Cartuse de purificare	TR-F034148	Germania	Teknokroma	Strata NH2 (55 μm, 70 Å), 1000mg/6mL, Sorbent Type:Silica-based,Format:Tube Phase:NH2	Finisterre SPE tube NH2 1000mg/ 6mL pk/30u.	ISO
42	33100000-1	LOT 42 Filtre pentru seringi	094.01.003	Germania	Isolab	Filtre PVDF de 0.45 μm, diam. 4mm,	Syringe filter - ISOLAB - PVDF - 0,45/25 - 100 - Pack	ISO
43	33100000-1	LOT 43 Filtre Paper	WHA5202090	Germania	Sigma Aldrich	Grade 202, diametru-90mm, debit – mediu, grosimea – 0.29mm, retentie: 5-8μm	Whatman® filter paper, Grade 202, creped circles, diam. 90 mm (3.5 in.), pkg of 100 ea	ISO

44	33100000-1	LOT 44 Supelco 37 component fame mix, certified reference material	CRM47885	Germania	Sigma Aldrich	Reference Material certified, multi-component solution, for gas chromatography (GC), application(s) for food and beverages, storage temp. - 10 to -25°C; packaging ampule of 1 mL	Supelco 37 Component FAME Mix certified reference material, TraceCERT®, in dichloromethane (varied conc.), ampule of 1 mL	ISO
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Valabilitatea ofertei: 30 zile

19.05.2022