



Anexa nr. 22

la Documentația standard nr. \_\_\_\_\_  
din “ \_\_\_\_\_ ” \_\_\_\_\_ 20 \_\_\_\_\_

**Specificații tehnice**

[Acest tabel va fi completat de către ofertant în coloanele 2, 3, 4, 6, 7, iar de către autoritatea contractantă – în coloanele 1, 5,]

Numărul procedurii de achiziție: ocds-b3wdp1-MD-1709552096143 din 04.03.2024
Obiectul achiziției: Reactivi și consumabile pentru LCCM

Denumirea bunurilor/serviciilor	Denumirea modelului bunului/serviciului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertantul LABORATORIUM GRUP	Standarde de referință
1	2	3	4	5	6	7
LOT 1. Methanol, 40 L	Methanol ≥99.8%, AnalaR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent, 2.5 L	Viena	VWR International GmbH	Conform Ph.Eur a clear, colourless, flammable liquid, miscible with water and with ethanol (96 per cent). Ambalaj: 2.5 L	20847.307 Methanol ≥99.8%, AnalaR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent, 2.5 L Conform Ph.Eur a clear colourless liquid, flammable liquid, miscible with water and with ethanol (96 per cent). Ambalaj: 2.5 L	



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<b>LOT 7. Tetraheptylammonium bromide, 100 g</b>	Tetraheptylammonium bromide $\geq 99\%$ , 100 g	Viena	VWR International GmbH	Conform Ph.Eur. Suitable for ion-pair chromatography. Ambalaj 50 g	A15218.22 Tetraheptylammonium bromide $\geq 99\%$ , Conform Ph.Eur. Suitable for ion-pair chromatography. Ambalaj 100 g
<b>LOT 9. Sodium 1-octanesulfonate monohydrate (CAS 207596-29-0) 100 g</b>	1-Octanesulphonic acid sodium salt monohydrate $\geq 99\%$ , 50 g	Viena	VWR International GmbH	Conform Ph.Eur. Ambalaj 25 g	15764.18 1-Octanesulphonic acid sodium salt monohydrate $\geq 99\%$ , 50 g Conform Ph.Eur. Ambalaj 50 g
<b>LOT 11. Sodium 1-hexanesulfonate monohydrate, 100 g</b>	1-Hexanesulphonic acid sodium salt $\geq 99\%$ , HiPerSolv CHROMANORM® for HPLC, 100 g	Viena	VWR International GmbH	Conform Ph.Eur. Content: minimum 99.0 per cent. Suitable for ion-pair chromatography. Ambalaj 50 g	152793M 1-Hexanesulphonic acid sodium salt $\geq 99\%$ , HiPerSolv CHROMANORM® for HPLC Conform Ph.Eur. Content: 99.0%. Suitable for ion-pair chromatography. Ambalaj 100 g
<b>LOT 12. Tetrabutylammonium hydrogen sulfate for HPLC (CAS 32503-27-8), 100 g</b>	Tetrabutylammonium hydrogen sulphate, HiPerSolv CHROMANORM® for HPLC, 25 g	Viena	VWR International GmbH	Conform Ph.Eur. Corespunde cu Tetrabutylammonium hydrogen sulfate R1. Suitable for ion-pair chromatography. Ambalaj 50 g	85794.150 Tetrabutylammonium hydrogen sulphate, HiPerSolv CHROMANORM® for HPLC, 25 g Conform Ph.Eur. Corespunde cu Tetrabutylammonium hydrogen sulfate R1. Suitable for ion-pair chromatography. Ambalaj 25 g
<b>LOT 14 Methanol HPLC 70 L</b>	Methanol $\geq 99.9\%$ , HiPerSolv CHROMANORM® ACS, Reag. Ph. Eur., super gradient grade for HPLC, suitable for UPLC/UHPLC instruments, 2.5L	Viena	VWR International GmbH	$\geq 99.9\%$ ; Reag. Ph. Eur.; gradul gradient; corespunde cu Methanol R1 și R2 în conformitate cu Reag. Ph. Eur.; filtrat prin filtru de 0,2 $\mu\text{m}$ ; corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC; colorație: $\leq 10$ Hazen; apă: $\leq 0,02\%$ ; reziduu după evaporare: $\leq 2,0$ mg/l;	85681.320 Methanol $\geq 99.9\%$ , HiPerSolv CHROMANORM® ACS, Reag. Ph. Eur., super gradient grade for HPLC, suitable for UPLC/UHPLC instruments $\geq 99.9\%$ ; Reag. Ph. Eur.; gradul super gradient; corespunde cu Methanol R1 și R2 în



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				aciditate: ≤ 0,0002 meq/g; alcalinitate: ≤ 0,0002 meq/g; densitate: 0,791 – 0,793 (la 20 °C); temperatura de fierbere: 64 – 65 °C; Gradul gradient la 235 nm: ≤ 2,0 mAU, la 254 nm: ≤ 1,0 mAH; Absorbanță: ≤ 0,170 (la 225 nm); Transmisie : la 210 nm: ≥ 20%, la 220 nm: ≥ 60%, la 230 nm: ≥ 75%,- la 235 nm: ≥ 83%, la 250 nm: ≥ 95%,- la ≥ 260 nm: 98%; Fluorescență (ca chinină la 254 nm): ≤ 1,0 ppb, ≤ 0,5 ppb (ca chinină la 365 nm);Ambalaj: 2,5 L	conformitate cu Reag. Ph. Eur.; filtrat prin filtru de 0,2 μm; corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC; colorație: Max. 10 APHA; apă: max. 0,02%; reziduu după evaporare: max 1 ppm; aciditate: ≤ 0,0002 meq/g; alcalinitate: ≤ 0,0002 meq/g; densitate (20/20): 0,791 – 0,793 (la 20 °C); temperatura de fierbere: 64,6°C; Gradul gradient la 235 nm: max 2,0 mAU, la 254 nm: max 1,0 mAH; Absorbanță: max 0,155 (la 225 nm); Transmisie : la 210 nm: min 45% la 220 nm: min 65%, la 230 nm: min 83%, la 235 nm: min 85%, la 250 nm: min 95%, la ≥ 260 nm: min 98%; Fluorescență (ca chinină la 254 nm): max 1,0 ppb, max 0,5 ppb (ca chinină la 365 nm); Ambalaj: 2,5 L	
<b>LOT 15 Acetonitrile HPLC, 250 L</b>	Acetonitrile ≥99.95%, HiPerSolv CHROMANORM® ULTRA for LC-MS,	Viena	VWR International GmbH	99,9%; Reag. Ph. Eur.; gradul gradient;corespunde cu Acetonitril pentru cromatografie și Acetonitril R1 în conformitate	83639.320 Acetonitrile, anhydrous (max. 0.003% H <sub>2</sub> O) ≥99.95%, HiPerSolv CHROMANORM® Reag. Ph.	



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	suitable for UPLC/UHPLC-MS instruments, 2. 5 L			cu Reag. Ph. Eur.;filtrat prin filtru de 0,2 µm;corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC;colorație: ≤ 10 Hazen;apă: ≤ 0,02%; reziduu după evaporare: ≤ 2,0 mg/l;aciditate:≤0,0002meq/g; alcalinitate: ≤ 0,0002 meq/g; densitate:0,78(la 20°C);indice de refracție(n 20/D):1,344, se distilează la 80–82 °C:≥95%(v/v) Gradul gradient la 210 nm: ≤ 1,0 mAU, la 254 nm: ≤ 0,5 mAH; Absorbanță: ≤0,10 (la 200 nm);Transmisie:- la 193 nm: ≥ 60%;- la 195 nm: ≥ 80%;- la ≥ 230 nm: ≥ 98%, Fluorescență (ca chinină la 254 nm): ≤ 1,0 ppb, ≤ 0,5 ppb (ca chinină la 365 nm);Ambalaj: 2,5 L	Eur., Reag. USP, ACS, super gradient grade suitable for UPLC/UHPLC instruments 99,9%; Reag. Ph. Eur.; gradul gradient;corespunde cu Acetonitril pentru cromatografie și Acetonitril R1 în conformitate cu Reag. Ph. Eur.;filtrat prin filtru de 0,2 µm;corespunde pentru utilizarea la echipamente UPLC/ UHPLC/ Ultra HPLC;colorație: ≤ 10 Hazen;apă: ≤ 0,02%; reziduu după evaporare: ≤ 2,0 mg/l;aciditate:≤0,0002meq/g; alcalinitate: ≤ 0,0002 meq/g; densitate:0,78(la 20°C);indice de refracție(n 20/D):1,344, se distilează la 80–82 °C:≥95%(v/v) Gradul gradient la 210 nm: ≤ 1,0 mAU, la 254 nm: ≤ 0,5 mAH; Absorbanță: ≤0,10 (la 200 nm);Transmisie:- la 193 nm: ≥ 60%;- la 195 nm: ≥ 80%;- la ≥ 230 nm: ≥ 98%, Fluorescență (ca chinină la 254 nm): ≤ 1,0 ppb, ≤ 0,5 ppb (ca chinină la 365 nm);Ambalaj: 2,5 L	
<b>LOT 39. N,N-Dimethylformamide 60 L</b>	N,N-Dimethylformamide ≥99.8%, AnalaR NORMAPUR® ACS, Reag. Ph. Eur.	Viena	VWR International GmbH	Conform Ph.Eur. Density : 0.949 to 0.952. bp: about 153 °C. Water: maximum 0.1 per cent. Ambalaj 2,5 L	23466.323 N,N-Dimethylformamide ≥99.8%, AnalaR NORMAPUR® ACS, Reag. Ph. Eur. analytical reagent, Conform Ph.Eur. Density : 0.949 g/cm <sup>3</sup> bp: 153 °C.	



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	analytical reagent, 2.5 L				Water: maximum Max. 0.05 %. Ambalaj 2,5 L
<b>LOT 41. Hexane 40L</b>	n-Hexane $\geq 97\%$ , HiPerSolv CHROMANORM® for HPLC, 2.5 L	Viena	VWR International GmbH	Conform Ph.Eur. Density: 0.659 to 0.663. Refractive index: 1.375 to 1.376. Distillation range. Not less than 95 per cent distils between 67 °C and 69 °C. Absorbance: maximum 0.01 from 260 nm to 420 nm. Suitable for HPLC. Ambalaj 2,5 L	24575.320 n-Hexane $\geq 97\%$ , HiPerSolv CHROMANORM® for HPLC Conform Ph.Eur. Density: 0.659 g/cm <sup>3</sup> Refractive index: 1.375 to 1.376. Distillation range. 97% Absorbance: maximum 0.03 for 210 nm and max 0.1 for 220 nm. Suitable for HPLC. Ambalaj 2,5 L
<b>LOT 71. dimethyl sulfoxide (GC), 5 L</b>	Dimethyl sulphoxide $\geq 99.99\%$ (by anhydrous basis), PESTINORM® for headspace gas chromatography, 2.5 L	Viena	VWR International GmbH	conform Ph.Eur, for GC-HeadSpace. Ambalaj: 2.5L	85396.320 Dimethyl sulphoxide $\geq 99.99\%$ (by anhydrous basis), PESTINORM® for headspace gas chromatography, 2.5 L
<b>LOT 109. Pseudomonas aeruginosa ATCC 9027 (CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Pseudomonas aeruginosa WDCM 00026-ATCC® 9027™, 2 swabs/PK	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Bucată=anse/disk/KWIK-STIK Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc. Conform Ph.Eur.2.6.13, Certificat de conformitate	MS2-P030.0002 MicroSwabPlus Pseudomonas aeruginosa WDCM 00026-ATCC® 9027™, 2 swabs/PK Certificatul de conformitate o sa fie livrat o data cu produsul.
<b>LOT 110 Bacillus subtilis ATCC 6633(CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Bacillus subtilis subsp. spizizenii WDCM 00003-	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Bucată=anse/disk/KWIK-STIK Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc. Conform Ph.Eur.2.6.13, Certificat de conformitate	MS2-B007.0002 MicroSwabPlus Bacillus subtilis subsp. spizizenii WDCM 00003-ATCC® 6633™, 2 swabs/pk



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	ATCC® 6633™, 2 swabs/pk				Certificatul de conformitate o sa fie livrat o data cu produsul
<b>LOT 111 C.albicans ATCC 10231 (CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Candida albicans WDCM 00054- ATCC® 10231™, 2 swabs/pk	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Bucată=anse/disk/KWIK-STIK Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc. Conform Ph.Eur.2.6.13, Certificat de conformitate	MS2-C005.0002 MicroSwabPlus Candida albicans WDCM 00054-ATCC® 10231™, 2 swabs/pk Certificatul de conformitate o sa fie livrat o data cu produsul.
<b>LOT 112 E.Coli ATCC 8739(CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Escherichia coli WDCM 00012,WDCM 00196-ATCC® 8739™, 2 swabs/pk	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Bucată=anse/disk/KWIK-STIK Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc. Conform Ph.Eur.2.6.13, Certificat de conformitate	MS2-E032.0002 MicroSwabPlus Escherichia coli WDCM 00012,WDCM 00196-ATCC® 8739™, 2 swabs/pk Certificatul de conformitate o sa fie livrat o data cu produsul.
<b>LOT 113. Clostridium sporogenes ATCC 19404(CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Clostridium sporogenes WDCM 00008-ATCC® 19404™	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Bucată=anse/disk/KWIK-STIK Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc. Conform Ph.Eur.2.6.13, Certificat de conformitate	MS2-C030.0002 MicroSwabPlus Clostridium sporogenes WDCM 00008-ATCC® 19404™, 2 swabs/pk Certificatul de conformitate o sa fie livrat o data cu produsul.
<b>LOT 114. Aspergillus brasiliensis ATCC 16404(CFU/ 0,1 ml: &lt;100 Pasaj: 2) kit 1</b>	MicroSwabPlus Aspergillus brasiliensis WDCM	Polonia	MECCONTI S.A.R.L SP.ZO.O.	Ambalaj=cutie/flacon /pachet cu minim 2 buc - maxim 10 buc.	MS2-A017.0002 MicroSwabPlus Aspergillus brasiliensis WDCM 00053-ATCC® 16404™, 2 swabs/pk



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	00053-ATCC® 16404™			Conform Ph.Eur.2.6.13, Certificat de conformitate		
<b>LOT 115. Sacehromyces Cerevisiae ATCC 9763(CFU/ 0,1 ml: &lt;100 Pasaj: 2)</b>	MicroSwabPlus Saccharomyces cerevisiae WDCM 00058-ATCC® 9763™, 2 swabs/pk	Polonia	MECCONTI S.A.R.L SP.ZO.O.	ATCC 16404(CFU/ 0,1 ml: <100 Pasaj: 2)	MS2-S101.0002 MicroSwabPlus Saccharomyces cerevisiae WDCM 00058-ATCC® 9763™, 2 swabs/pk Certificatul de conformitate o sa fie livrat o data cu produsul.	

Semnat: \_\_\_\_\_ Numele, Prenumele: Cernei Silian În calitate de: Administrator  
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