

Lista EMM ce urmează să fie desevită tehnic, precum repararea la necesitate, pe perioada 01.07.2016-30.06.2017 din cadrul Serviciului Laboratoare

| Nr. d/o | Denumirea echipamentului | Tipul echipamentului | Diapazonul de măsurare | Clasa de precizie | Cantitatea |
|--|---|-------------------------------------|---|---|------------|
| 1. Laboratorul ape uzate agenți economici (LAUAE) | | | | | |
| 1.1 | Fotometru | KFK 3 | $\lambda=315\div 990\text{nm}$ | 0,15% | 2 |
| 1.2 | Fotocolorimetru | KФK 2 | $\lambda=400\div 670\text{nm}$ | 1,0% | 3 |
| 1.3 | Spectrofotometru cu absorbție atomică | AAanalyst-100 | $\lambda=190\div 970\text{nm}$ | 1,0% | 1 |
| 1.4 | Termostat | TGU - 1200 | $20,5\div 60,0\text{ }^{\circ}\text{C}$ | $\pm 0,5\text{ }^{\circ}\text{C}$ | 1 |
| 1.5 | Termostat(incubator p/u culturi microbiene) | Memmert ICP 400 | $0^{\circ}\div 60\text{ }^{\circ}\text{C}$ | $\pm 0,1\text{ }^{\circ}\text{C}$ | 1 |
| 1.6 | Cuptor de calcinare cu muflă | SNOL 1,6,2,5.1/9-И4 | $100\div 1000^{\circ}\text{C}$ | $\pm 2\text{ }^{\circ}\text{C}$ | 1 |
| 1.7 | Dulap de uscare | HS- 62A | $0\div 300^{\circ}\text{C}$ | $\pm 0,5\text{ }^{\circ}\text{C}$ | 1 |
| 1.8 | Dulap de uscare(etuvă universală de uscare) | Memmert ULE 500 | $0^{\circ}\div 300\text{ }^{\circ}\text{C}$ | $\pm 0,3\text{ }^{\circ}\text{C}$ | 2 |
| 1.9 | Ionometru | ЭВ-74 | $-1\div 19\text{ pH}$ | $\pm 0,05\text{ pH}$ | 1 |
| 1.10 | pH/conductometru cu termocompensator și set de electrozi specific | C3010T-PH/EC/O ₂ Consort | pH= $0\div 14\text{pH}$; $\chi=0\div 2000\mu\text{S/cm}$; $\chi=0\div 2000\text{mS/cm}$; $\chi(\text{O}_2)=0\div 90\text{mg/L}$ | $\pm 0,005\text{ pH}$ $\pm 0,5\%$ $\pm 0,5\%$ | 3 |
| 1.11 | Camera de frig | Angelantoni Ekobasic 1500/2 TN | $t=2\div 4\text{ }^{\circ}\text{C}$ | $\pm 2\text{ }^{\circ}\text{C}$ | 1 |
| 1.12 | Extractor cu solvent Soxlet | VLP ser 148/6 | $0,5\div 15\text{g}$ $30\div 100\text{ mL}$ $50\div 300\text{ }^{\circ}\text{C}$ | $\pm 0,0005\text{g}$ $\pm 0,2\text{mL}$ $\pm 1\text{ }^{\circ}\text{C}$ | 1 |
| 1.13 | Omogenizator | Evrostar 20 digital | $V=3\div 5\text{ L}$ $0\div 2000\text{ rpm}$ | | 1 |
| 1.14 | Bidistilator cyclon | 4L/oră | | $\chi\leq 1\text{ }\mu\text{S/cm}$ | 1 |
| 1.15 | Distilator D-25 | 25L/ oră | | $\chi\leq 4\text{ }\mu\text{S/cm}$ | 1 |
| 1.16 | Baie de apă cu 6 poziții | APA "BV-30-6" | $t=20,0^{\circ}\div 100,0\text{ }^{\circ}\text{C}$ | | 1 |
| | Baie de apă cu 4 poziții | | $t=20,0^{\circ}\div 100,0\text{ }^{\circ}\text{C}$ | | 1 |
| 1.17 | Manometru | WIKA | | IV | 2 |
| 1.18 | Agitator magnetic | MM 2A | $50-1000\text{rot/min}$ | | 2 |
| 2. Laboratorul apă potabilă (LAP) | | | | | |
| 2.1 | Cuptor de calcinare cu muflă | SNOL 1,6,2,5.1/9-И4 | $100\div 1000^{\circ}\text{C}$ | $\pm 2\text{ }^{\circ}\text{C}$ | 1 |
| 2.2 | Dulap de uscare | Memmert ULE 500 | $0^{\circ}\div 300\text{ }^{\circ}\text{C}$ | $\pm 0,3\text{ }^{\circ}\text{C}$ | 2 |
| 2.3 | Dulap de uscare | BCU-100 | $30^{\circ}\div 300\text{ }^{\circ}\text{C}$ | $\pm 1\text{ }^{\circ}\text{C}$ | 2 |
| 2.4 | Termostat | TC-80M | $28^{\circ}\div 65\text{ }^{\circ}\text{C}$ | $\pm 0,3\text{ }^{\circ}\text{C}$ | 1 |
| 2.5 | Termostat | TC-80M-2 | $28^{\circ}\div 55\text{ }^{\circ}\text{C}$ | $\pm 0,25\text{ }^{\circ}\text{C}$ | 2 |
| 2.6 | Termostat | Memmert ULE 400 | $0^{\circ}\div 60^{\circ}\text{C}$ | $\pm 0,3\text{ }^{\circ}\text{C}$ | 1 |
| 2.7 | Termostat | ST2+, PolEco | $3^{\circ}\div 40\text{ }^{\circ}\text{C}$ | $\pm 1\text{ }^{\circ}\text{C}$ | 1 |
| 2.8 | Fotoelectrocolorimetru | KFK 2 | $\lambda=400\div 670\text{nm}$ | 1,0% | 4 |
| 2.9 | Spectrofotometru cu absorbție atomică | Aanalyst-100 | $\lambda=190\div 970\text{nm}$ | 1,0% | 1 |
| 2.10 | Spectrofotometru | UV Vis | $\lambda=190\div 1100\text{nm}$, | $\pm 0,5\text{nm}$, | 1 |

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| | | AnalytikJena Specord 210 Plus | A=0,000÷2,000A; T=0,00÷100,00% | ±0,001A, ±0,25% | |
| 2.11 | Gaz cromatograf | AutoSystem XL Gas Chromatograph | | | 1 |
| 2.12 | Ionometru | ЭВ-74 | -1÷19 pH | ±0,05 pH | 1 |
| 2.13 | Ionometru | И – 160 M | -1,00÷19,00 pH 100÷1900 mV | ±0,04 pH ±0,40 mV | 1 |
| 2.14 | pH/conductometru cu termocompensator și set de electrozi specific portabil | C3010T- PH/EC/METERKIT | pH=0÷14pH; $\chi=0\div2000\mu\text{S}/\text{cm}$; $\chi=0\div2000\text{mS}/\text{cm}$; $\chi(\text{O}_2)=0\div90\text{mg}/\text{L}$ | ±0,005 pH ±0,5% ±0,5% | 1 |
| 2.15 | Autoclav | BK-75 | | | 1 |
| 2.16 | Autoclav | ГК-100-3М | | | 1 |
| 2.17 | Microscop | Biolam K.Zeis | 32 ^x ÷ 1000 ^x | Δ 6,25 % [Δ]±10% | 1 |
| 2.18 | Baie de apă cu 6 poziții termoreglabilă | Nuve NB 20 | λ=190÷970nm | 1,0% | 1 |
| | Baie de apă | Labath E4 | 20÷100 ⁰ C | ±2 ⁰ C | 1 |
| 2.19 | Cameră climatică (incubator/termostat cu răcire) | ST2, Pol-Eko | V=60 L, t=10÷50 ⁰ C | ±2 ⁰ C | 1 |
| 2.20 | Bidistilator | 4L/oră | | $\chi\leq 1 \mu\text{S}/\text{cm}$ | 1 |
| 2.21 | Distilator D-25 | 25L/ oră | | $\chi\leq 4 \mu\text{S}/\text{cm}$ | 1 |
| 2.22 | Distilacid TM | BSB-939-UR, Bergof | 1,8L H ₂ O/24h 1,2L HNO ₃ /24h 1,1L HCl/24h 1,0L HF/24h | | 1 |
| 2.23 | Manometre | OBM 1-160 | 0÷4 | 1,5 | 1 |
| 2.24 | Manometre | ЭКМ-1Y | 1÷5 | 1,5 | 1 |
| 2.25 | Manometre | WIKA | 2.5bar | 1,5 | 2 |
| 2.26 | Manometre | MATEHESON | 20000kPa | 1,5 | 2 |
| 2.27 | Manometre | PRAHAIR | 280BAR | 1,5 | 6 |
| 3. Laboratorul ape uzate SESE (LAUSESE) | | | | | |
| 3.1 | Fotocolorimetru | KFK 2 | λ=400÷670nm | 1,0% | 2 |
| 3.2 | Termostat | Memmert ICP 400 | 0 ⁰ ÷60 ⁰ C | ±0,3 ⁰ C | 3 |
| 3.3 | Cuptor de calcinare cu muflă | SNOL 1,6.2,5.1/11-II2 | 100÷1000 ⁰ C | ±2 ⁰ C | 1 |
| 3.4 | Cuptor de calcinare cu muflă | SNOL 1,6.2,5.1/11-II3 | 100÷1000 ⁰ C | ±2 ⁰ C | 1 |
| 3.5 | Dulap de uscare/sterilizare | SNOL 1,6.2,51/1-II1 | 0 ⁰ ÷220 ⁰ C | ±0,5 ⁰ C | 2 |
| 3.6 | Dulap de uscare/sterilizare | Memmert ULE 500NC | 0 ⁰ ÷220 ⁰ C | ±0,3 ⁰ C | 1 |
| 3.7 | Dulap de uscat | KBC-II 100/250 | 50°-250°C | ±0,5 ⁰ C | 1 |
| 3.8 | Ionometru | ЭВ-74 | -1÷19 pH | ±0,05 pH | 1 |
| 3.9 | Ionometru | И – 130.2 M | -1,00÷19,00 pH 100÷1900 mV | ±0,04 pH ±0,40 mV | 1 |
| 3.10 | Termobalanță | ATS 210 | 0÷210g; ±0,001g | II | 1 |
| 3.11 | pH/conductometru cu termocompensator și set | C3030T- PH/EC/METERKI | pH=0÷14pH; $\chi=0\div2000\mu\text{S}/\text{cm}$; | ±0,005 pH ±0,5% | 1 |

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| | de electrozi specifici | T | $\chi=0\div 2000\text{mS/cm}$; $\chi(\text{O}_2)=0\div 90\text{mg/L}$ | $\pm 0,5\%$ | |
| 3.12 | pH- metru | pH-121 | $-1\div 14\text{pH}$ | $\pm 0,05\text{pH}$ | 1 |
| 3.13 | Autoclav | ГК-100-2 | | | 1 |
| 3.14 | Microscop | К. Zeis БИОЛИАМ | | | 1 |
| 3.15 | Distilator | D-10 | | | 1 |
| 3.16 | Centrifugă | Млвт 23 | 1000 rot/min | | 1 |
| 3.17 | Agitator magnetic | Agitator magnetic | MM -3M | 50-1000 rot/min | 2 |
| 4. Laboratorul Stația de apă Nistru | | | | | |
| 4.1 | Ionomer | И – 130 M | $-1,00\div 19,00\text{pH}$ | $\pm 0,01\text{pH}$ | 1 |
| 4.2 | Fotocolorimetru | KFK 2 | $\lambda=400\div 670\text{nm}$ | 1,0% | 3 |
| 4.3 | Fotometru | KFK 3 | $\lambda=315\div 990\text{nm}$ | 0,15% | 1 |
| 4.4 | Dulap de uscare/ sterilizare | SNOL-3,5.3,5.3.5- U1 | $50^\circ\div 350^\circ\text{C}$ | $\pm 2^\circ\text{C}$ | 1 |
| 4.5 | Dulap de uscare | 2B-151 | $20\div 200^\circ\text{C}$ | | 2 |
| 4.6 | Dulap de uscare | Horizont SPT-200 | $20\div 250^\circ\text{C}$ | $\pm 1^\circ\text{C}$ | 1 |
| 4.7 | Termostat | TC-80M-2 | $28^\circ\div 55^\circ\text{C}$ | $\pm 0,25^\circ\text{C}$ | 1 |
| 4.8 | Termostat | TC-80M | $28^\circ\div 65^\circ\text{C}$ | $\pm 0,3^\circ\text{C}$ | 1 |
| 4.9 | Spectrofotometru | UV-VIS T-60 | 190-1100nm | $\pm 0,03\%$ | 1 |
| 4.10 | Spectrofotometru | UV Vis AnalytikJena Specord 210 Plus | $\lambda=190\div 1100\text{nm}$, $A=0,000\div 2,000\text{A}$; $T=0,00\div 100,00\%$ | $\pm 0,5\text{nm}$, $\pm 0,001\text{A}$, $\pm 0,25\%$ | 1 |
| 4.11 | Baie de apă cu 6 poziții termoreglabilă | Nuve NB 20 | $20\div 100^\circ\text{C}$ | $\pm 2^\circ\text{C}$ | 1 |
| 4.12 | Baie cu apă | BB-10-2 | $30\div 90^\circ\text{C}$ | $\pm 2^\circ\text{C}$ | 1 |
| 4.13 | pH-metru, conductometru | Consort C3030 | $\text{pH}=0\div 14\text{pH}$; $\chi=0\div 2000\mu\text{S/cm}$; | $\pm 0,005\text{pH}$ $\pm 0,5\%$ | 1 |
| 4.14 | pH/conductometru/turbi dimetru | HANNA HI9829 | $\text{pH}=0\div 14\text{pH}$; $\chi=0\div 2000\mu\text{S/cm}$; $\chi=0\div 2000\text{mS/cm}$; $\chi(\text{O}_2)=0\div 90\text{mg/L}$ | $\pm 0,005\text{pH}$ $\pm 0,5\%$ $\pm 0,5\%$ | 2 |
| 4.15 | pH-metru portabil | Consort C6030T | $0\div 14\text{pH}$ | 0.005pH | 1 |
| 4.16 | Camera climatică (incubator/termostat cu răcire) | ST1,Pol-Eco | $V=60\text{L}$, $t=10\div 50^\circ\text{C}$ | $\pm 2^\circ\text{C}$ | 1 |
| 4.17 | Agitator magnetic | MM-5 | | | 2 |
| 4.18 | Autoclav | BK-30 | | | 1 |
| 4.19 | Sterilizator cu aburi | ГК-100-2 | | | 1 |
| 4.20 | Distilator | D-4 T3 MOI | 4L/oră | | 1 |