

## SPECIFICAȚII TEHNICE (F4.1)

Numărul procedurii de achiziție: 21035849 din 15.02.2021

Denumirea procedurii de achiziție: Reactivi și consumabile de laborator pentru necesitățile proiectului

“2SOFT /1.2./83 INTELLIGENT VALORISATION OF AGRO-FOOD INDUSTRIAL WASTES” Acronim INTELWASTES

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
		<b>Lot 1 Reactivi pentru laboratorul de analiză a produselor vegetale</b>						
1	33696500-0	Acetonitril, 2,5 L	34851-2.5L	Germania	Sigma Aldrich	Grad de puritate HPLC	Acetonitrile for HPLC, gradient grade, ≥99.9%	ISO
2	33696500-0	Glycerol 5 L	G7757-5L	Germania	Sigma Aldrich	ReagentPlus, ≥99%	Glycerol for synthesis, ≥99.0% (GC)	ISO
3	33696500-0	Ethyl acetate 2.5 L	33211-2.5L-R	Germania	Sigma Aldrich	ACS reagent, ≥99.5 %	Ethyl acetate puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99.5% (GC)	ISO
4	33696500-0	Talc, 1 kg	23913754	Germania	Sigma Aldrich	purum	Talc powder (23913754   14807-96-6), USP/EP	ISO
5	33696500-0	Hexane puriss. 2,5 L	32293-2.5L	Germania	Sigma Aldrich	p.a., ACS reagent, reag. Ph. Eur., ≥99% (GC),	Hexane puriss. p.a., ACS reagent, reag. Ph. Eur., ≥99% (GC)	ISO
6	33696500-0	Hexane, 2,5 L	34859-2.5L	Germania	Sigma Aldrich	Grad HPLC, ≥97.0% (GC)	Hexane for HPLC, ≥97.0% (GC)	ISO
7	33696500-0	2-Propanol, 2,5 L	34863-2.5L	Germania	Sigma Aldrich	Grad HPLC, 99.9%,	2-Propanol for HPLC, 99.9%	ISO
8	33696500-0	Methanol 2,5 L	34885-2.5L-R	Germania	Sigma Aldrich	Grad HPLC, ≥99.9%,	Methanol for HPLC, gradient grade, ≥99.9%	ISO
9	33696500-0	Tetrahidrofuran inhibitor-free, 1L	34865-1L	Germania	Sigma Aldrich	Grad HPLC, ≥99.9%,	Tetrahydrofuran inhibitor-free, for HPLC, ≥99.9%	ISO
10	33696500-0	Butanol, 2,5 L	34867-2.5L	Germania	Sigma Aldrich	Grad HPLC, ≥99.7%,	1-Butanol for HPLC, ≥99.7%	ISO
11	33696500-0	Acetone, 1L	650501-1L	Germania	Sigma Aldrich	Grad HPLC Plus, ≥99.0%	Acetone HPLC Plus, for HPLC, GC, and residue analysis, ≥99.9%	ISO
12	33696500-0	Orto-Phosphoric acid, 250 ml	49685-500ML	Germania	Sigma Aldrich	Grad HPLC, 85%,	Phosphoric acid for HPLC, LiChropur™, 85%	ISO
13	33696500-0	Anthrone, 25 g	319899-25G	Germania	Sigma Aldrich	ACS reagent, ≥97%	Anthrone ACS reagent, 97%	ISO

		<b>Lot 2 Reactivi pentru cromatografie</b>						
15	33696500-0	Ethanol, 2,5 L	2222-2.5L	Germania	Sigma Aldrich	Grad de puritate HPLC	Ethanol absolute for HPLC (min. 99.9 %)	ISO
		<b>Lot 3 Reactivi de laborato pentru uz general</b>						
17	33696500-0	Ethanol, 2,5L	2222-2.5L	Germania	Sigma Aldrich	Concentrația 96% Uz general de laborator	Ethanol absolute for HPLC (min. 99.9 %)	ISO
		<b>Lot 4 Reactivi pentru laboratorul de biotehnologii</b>						
19	33696500-0	Diethylenetriaminepentaacetic acid, 10g	32319-100G-F	Germania	Sigma Aldrich	Pentru complexometrie, ≥99,0%	Diethylenetriaminepentaacetic acid for complexometry, ≥99.0%	ISO
20	33696500-0	ATX Tris buffer, 1L	21685-6X1L-F	Germania	Sigma Aldrich		ATX Tris buffer ready-to-use solution	ISO
21	33696500-0	Poly(vinylpyrrolidone) (PVPP), 100g	77627-100G	Germania	Sigma Aldrich	Dimensiunea particulelor - 110 μm	Poly(vinylpyrrolidone) ~110 μm particle size	ISO
22	33696500-0	Acetone, 2,5 L	24201-2.5L-GL-R	Germania	Sigma Aldrich	ACS reagent	Acetone puriss., meets analytical specification of Ph. Eur., BP, NF, ≥99% (GC)	ISO
23	33696500-0	Acetone, 2,5L	1000222500	Germania	Sigma Aldrich	Pentru spectrofotometria, Uvasol,	Acetone for spectroscopy Uvasol®	ISO
24	33696500-0	Sodium sulfate, puriss., 1kg	13464-1KG	Germania	Sigma Aldrich	ACS reagent, reag. ISO, reag. Ph. Eur., anhydrous, ≥99,0%	Sodium sulfate, puriss., meets analytical specification of BP, Ph. Eur., USP, anhydrous, 99.0-100.5% (calc. to the dried substance)	ISO
25	33696500-0	Nitric acid, 2,5L	30709-1L	Germania	Sigma Aldrich	ACS reagent, 70%	Nitric acid puriss. p.a., reag. ISO, reag. Ph. Eur., for determinations with dithizone, 70%	ISO
26	33696500-0	Sulfuric acid, puriss., 2,5L	30743-2.5L	Germania	Sigma Aldrich	Pentru determinarea Hg, ACS reagent, reag. ISO, reag. Ph. Eur., 95,0-97,0%	Sulfuric acid puriss. p.a., for determination of Hg, ACS reagent, reag. ISO, reag. Ph. Eur., 95.0-97.0%	ISO
27	33696500-0	Phosphoric acid, puriss. 1L	30417-1L	Germania	Sigma Aldrich	ACS reagent, reag. ISO, reag. Ph. Eur., ≥85%	Phosphoric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥85%	ISO
28	33696500-0	Hydrochloric acid, 2,5 L	30721-2.5L	Germania	Sigma Aldrich	Reactiv ACS, 37%	Hydrochloric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., fuming, ≥37%, APHA: ≤10	ISO
29	33696500-0	Potassium sodium tartrate tetrahydrate, 1kg	S2377-1KG	Germania	Sigma Aldrich	Reagent Plus, ≥99%	Potassium sodium tartrate tetrahydrate ReagentPlus®, ≥99%	ISO
30	33696500-0	Potassium hydroxide, puriss, 1 kg	30603-1KG	Germania	Sigma Aldrich	Reag. Ph. Eur., ≥90%, pelete	Potassium hydroxide pellets, reag. Ph. Eur., ≥85%	ISO
31	33696500-0	Magnesium sulfate 500 g	M7506-1KG	Germania	Sigma Aldrich	Anhidru, praf, Redi-Dri, ≥97%	Magnesium sulfate anhydrous, ReagentPlus®, ≥99.5%	ISO
32	33696500-0	Sodium sulfate, 1 kg	13464-1KG	Germania	Sigma Aldrich	Anhidru, praf, ACS reagent, ≥99%	Sodium sulfate, puriss., meets analytical specification of BP, Ph. Eur., USP, anhydrous, 99.0-100.5% (calc. to the dried substance)	ISO
33	33696500-0	Ammonium phosphate dibasic, 100 g	215996-100G	Germania	Sigma Aldrich	EMSURE ACS reagent, ≥99%	Ammonium phosphate dibasic ACS reagent, ≥98%	ISO
34	33696500-0	Ammonium sulfate 500 g	A5132-500G	Germania	Sigma Aldrich	ACS reagent, ≥99%	Ammonium sulfate ReagentPlus®, ≥99.0%	ISO

35	33696500-0	Iron (II) sulfate heptahydrate, 250g;	12354-250G	Germania	Sigma Aldrich	ACS reagent, $\geq 99,0\%$	Iron(II) sulfate heptahydrate puriss., meets analytical specification of Ph. Eur., BP, USP, FCC, 99.5-104.5% (manganometric)	ISO
36	33696500-0	Iron (III) sulfate hydrate 100g	307718-100G	Germania	Sigma Aldrich	ACS reagent, $\geq 97,0\%$	Iron(III) sulfate hydrate 97%	ISO
37	33696500-0	Folin-Ciocalteu's phenol reagent, 500 mL	47641-500ML-F	Germania	Sigma Aldrich		Folin & Ciocalteu's phenol reagent 2 M (with respect to acid)	ISO
38	33696500-0	ABTS, 2g	A1888-2G	Germania	Sigma Aldrich	$\geq 98\%$ (HPLC)	ABTS (2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt) $\geq 98\%$ (HPLC)	ISO
39	33696500-0	Tripsină enzimatică, 10 g	T4799-10G	Germania	Sigma Aldrich	Din pancreasul porcin, pulbere liofilizată, BioReagent, potrivit pentru cultura celulară, 1.000-2.000 unități BAEE / mg solid	Trypsin from porcine pancreas lyophilized powder, BioReagent, suitable for cell culture, 1,000-2,000 BAEE units/mg solid	ISO
40	33696500-0	Pepsină enzimatică, 250 mg	P7012-250MG	Germania	Sigma Aldrich	Din mucoasa gastrică porcină, pulbere liofilizată, $\geq 2,500$ unități/mg protein (E1%/280)	Pepsin from porcine gastric mucosa lyophilized powder, $\geq 2,500$ units/mg protein (E1%/280)	ISO
41	33696500-0	Iodură de potasiu, 500g	36409596-500G	Germania	Sigma Aldrich	ACS reagent, $\geq 99.0\%$	Potassium iodide, BP/Eur.Pharm, 99.0 - 101.5%	ISO
42	33696500-0	Acid percloric, 1L	30755-1L	Germania	Sigma Aldrich	ACS reagent, 70%	Perchloric acid puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., 70.0-72.0%	ISO
43	33696500-0	Ammonium molybdate, 100g	A7302-100G	Germania	Sigma Aldrich	ACS reagent, 81.0-83.0% MoO <sub>3</sub> basis,	Ammonium molybdate tetrahydrate ACS reagent, 81.0-83.0% MoO <sub>3</sub> basis	ISO
44	33696500-0	Ammonium vanadate, 50g	10028-25G	Germania	Sigma Aldrich	ACS reagent, $\geq 99.0\%$	Ammonium metavanadate puriss. p.a., ACS reagent, $\geq 99.0\%$ (RT)	ISO

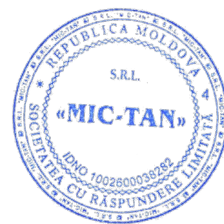
Semnat: \_\_\_\_\_

Numele, Prenumele: **Michiciuc Gheorghe**

In calitate de: **Director**

Oferatntul: **SRL «Mic — Tan»**

Adresa: **mun. Chișinău str. Alexandru cel Bun, 38**



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