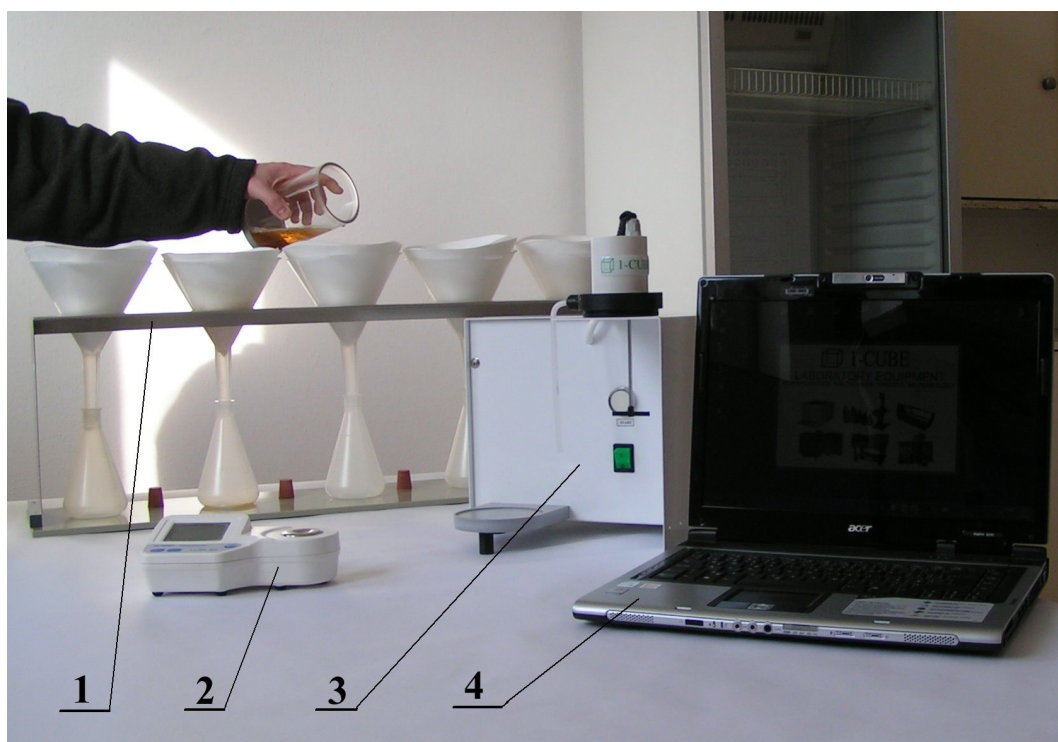


Refraktometric determination of fermenting degree

Today we offer refraktometric determination of apparent extract in combination with filtration/centrifuge. The withdrawn sample is decarbonized in the decarbonizer type OP, it is filtered or centrifuged. The refraction is measured and saved automatically into the memory of the refractometer. The measurement is only low-responsive to residual content of CO₂. Once the measurement is over the measured values are transferred (with the help of USB cable) from the memory of the refractometer into a computer. Value of apparent extract, real extract, alcohol content and fermenting degree are calculated from the values of refraction and original extract. The measured and calculated data are visualised in Excell programme file. The advantage of this procedure is fast and operative determination of fermenting degree directly in the cylindroconical fermenters departement.

Advantages:

- Operative determination of the fermenting curve in the operation of the cylindro-conical fermenters department, immediate availability of the results for decision-making of the staff
- Only small quantity of sample needed
- Convenient method accuracy
- Low cost
- No big room needed
- Accuracy of measurement of apparent extract (%) + - 0,15



System for fast refraktometric determination of fermenting degree consisting of

1. Filtration stand with funnels and Erlenmeyer flasks
3. Decarbonizer type OP

2. Refractometer
4. Notebook with computing software

pokus - Microsoft Excel

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Vložit

Schránka

Písmo

Zalamovat text

Sloučit a zarovnat na střed

Zarovnání

Obecný

Číslo

Podmíněné formátování jako tabulku

Formátovat jako tabulku

Styly buňky

Styly

M6

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Measure Time	Measured Value [%] P [% hm.]	R [%]	A	Es	A(20/20)	Es(20/20)	Ez(20/20)	Ez[% hm.]	prok.z %	prok.s %		Popis
2	23.2.2010 11:57:22	6,6%	12,58	6,6	4,07	4,72	0,992666	1,018589	1,011255	2,88	77,1	62,5	
3	23.2.2010 11:57:27	6,7%	10,58	6,7	2,67	5,44	0,995086	1,021453	1,01654	4,21	60,2	48,6	
4	23.2.2010 11:57:30	6,6%	11,01	6,6	3,02	5,18	0,994465	1,020435	1,0149	3,80	65,5	52,9	
5	23.2.2010 11:57:34	6,7%	12,58	6,7	4,01	4,85	0,992777	1,019099	1,011875	3,03	75,9	61,4	
6	23.2.2010 11:57:37	6,6%	12,58	6,6	4,07	4,72	0,992666	1,018589	1,011255	2,88	77,1	62,5	
7	31.3.2010 13:19:21	5,1%	12,58	5,91	4,53	3,84	0,991909	1,015082	1,006991	1,79	85,7	69,5	
8	31.3.2010 13:19:31	7,9%	11,58	7,9	2,54	6,68	0,995303	1,026438	1,021741	5,51	52,4	42,4	
9													

Example of measured and calculated values in computing software