Październikowy miks

- Gravity 13.6 BLG
- ABV 5.6 %
- IBU **27**
- SRM 4.1

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 31.7 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 20.1 liter(s)
- Total mash volume 26.8 liter(s)

Steps

- Temp 44 C, Time 30 min
 Temp 62 C, Time 45 min
 Temp 72 C, Time 20 min

- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up 20.1 liter(s) of strike water to 48C
- Add grains
- Keep mash 30 min at 44C
- Keep mash 45 min at 62C
- Keep mash 20 min at 72C
- Keep mash 10 min at 78C
- Sparge using 18.3 liter(s) of 76C water or to achieve 31.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.3 kg <i>(49.3%)</i>	80 %	5
Grain	Pilzneński	3 kg <i>(44.8%)</i>	81 %	4
Grain	Pszeniczny	0.4 kg <i>(6%)</i>	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	15 g	60 min	15.5 %
Boil	Amarillo	30 g	8 min	9.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Ale	Dry	1 g	Fermentis