American Wheat - podwojna porcja (high gravity brewing)

- Gravity 20.5 BLG
- ABV 9 %
- IBU **28**
- SRM 5.6

Batch size

- Expected quantity of finished beer 27 liter(s)
- Trub loss 5 %
- Size with trub loss 28.4 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 34.2 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 2 liter(s) / kg
- Mash size 22 liter(s)
- Total mash volume 33 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 22 liter(s) of strike water to 50C
- 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 23.2 liter(s) of 76C water or to achieve 34.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	ЕВС
Grain	Viking Pale Ale malt	6 kg <i>(54.5%)</i>	80 %	5
Grain	Pszeniczny	3.9 kg <i>(35.5%)</i>	85 %	4
Grain	Pilzneński	1 kg (9.1%)	81 %	4
Grain	Monachijski	0.1 kg <i>(0.9%)</i>	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	24 g	60 min	12 %
Boil	Simcoe	26 g	10 min	13.2 %
Boil	Mosaic	26 g	5 min	10 %
Aroma (end of boil)	Citra	24 g	0 min	12 %
Aroma (end of boil)	Simcoe	24 g	0 min	13.2 %
Aroma (end of boil)	Mosaic	24 g	0 min	10 %
Dry Hop	Cascade	60 g	0 day(s)	6 %
Dry Hop	Amarillo	50 g	0 day(s)	9.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Wheat	Dry	11.5 g	Fermentis