

apa iunga

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **23**
- SRM **5.5**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **77C**
- Sparge using **15.2 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (72.7%)	80 %	5
Grain	Pszeniczny	1 kg (18.2%)	85 %	4
Grain	Strzegom Bursztynowy	0.5 kg (9.1%)	70 %	49

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	30 g	20 min	11 %
Boil	lunga	10 g	10 min	11 %
Whirlpool	lunga	20 g	0 min	11 %
Dry Hop	lunga	30 g	4 day(s)	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis