

Barley

- Gravity **28.1 BLG**
- ABV ---
- IBU **120**
- SRM **17.2**
- Style **American Barleywine**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **31.9 liter(s)**

Steps

- Temp **65 C**, Time **70 min**

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **70 min** at **65C**
- Sparge using **9.1 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (54.9%)	80 %	5
Grain	Strzegom Wiedeński	3 kg (33%)	79 %	10
Grain	Monachijski	1 kg (11%)	80 %	16
Grain	Strzegom Karmel 600	0.1 kg (1.1%)	68 %	601

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	100 g	60 min	13 %
Boil	Chinook	50 g	15 min	13 %
Boil	Ahtanum	50 g	5 min	5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	300 ml	Fermentum Mobile