

American Wheat

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **22**
- SRM **3.2**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4.5 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **42 C**, Time **10 min**
- Temp **52 C**, Time **10 min**
- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **44.4C**
- Add grains
- Keep mash **10 min** at **42C**
- Keep mash **10 min** at **52C**
- Keep mash **30 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	słód Pszemiczny Jasny Viking Malt	3 kg (75%)	82 %	4
Grain	Pilznieński Viking Malt	1 kg (25%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Sorachi Ace	25 g	10 min	10 %
Aroma (end of boil)	Centennial	25 g	10 min	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	---