

American Amber Ale

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **29**
- SRM **8**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **17 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

Mash step by step

- Heat up **17 liter(s)** of strike water to **68.8C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Sparge using **13.3 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.6 kg (78.3%)	75 %	5
Grain	Strzegom Monachijski typ I	0.5 kg (10.9%)	79 %	16
Grain	Weyermann Caramunich 3	0.3 kg (6.5%)	76 %	150
Grain	Carared	0.2 kg (4.3%)	75 %	39

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %
Aroma (end of boil)	Ahtanum	50 g	10 min	5 %
Whirlpool	Simcoe	25 g	0 min	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis