

Amber Ale

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **30**
- SRM **5.8**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **6 liter(s)**
- Trub loss **5 %**
- Size with trub loss **6.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **7.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **4.5 liter(s)**
- Total mash volume **6 liter(s)**

Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **4.5 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **4.3 liter(s)** of **76C** water or to achieve **7.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	1.35 kg (90%)	80 %	4.5
Grain	Strzegom Karmel 30	0.15 kg (10%)	75 %	50

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	5 g	60 min	12.2 %
Aroma (end of boil)	lunga	5 g	10 min	9.4 %
Aroma (end of boil)	Lublin (Lubelski)	5 g	5 min	4 %
Whirlpool	Lublin (Lubelski)	5 g	0 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	4 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Finning	mech irlandzki	1 g	Boil	10 min