

Polskie Amber Ale

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **34**
- SRM **11.4**
- Style **American Amber Ale**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

Steps

- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **3 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **50 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **3 min** at **78C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (71.3%)	80 %	5
Grain	Strzegom Wiedeński	1 kg (17.8%)	79 %	10
Grain	Strzegom Karmel 150	0.3 kg (5.3%)	75 %	150
Grain	Karmelowy Czerwony	0.25 kg (4.5%)	75 %	59
Grain	Jęczmień palony	0.06 kg (1.1%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	25 g	60 min	12.2 %
Boil	Sybilla	15 g	10 min	6.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis