

AMERICAN BLONDE ALE

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **27**
- SRM **4.1**
- Style **Blonde Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **3 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **24.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **68 C**, Time **60 min**

Mash step by step

- Heat up **13.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **24.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	2 kg (44.4%)	80 %	7
Grain	Pilznieński	2 kg (44.4%)	81 %	4
Grain	Pszeniczny	0.5 kg (11.1%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	10 g	60 min	12.3 %
Boil	Amarillo	20 g	20 min	8.9 %
Aroma (end of boil)	Citra	20 g	0 min	12 %
Aroma (end of boil)	Amarillo	10 g	0 min	9.5 %
Aroma (end of boil)	Cascade	30 g	0 min	6 %
Dry Hop	Centennial	30 g	---	10.5 %
Dry Hop	Falconer's Flight	30 g	---	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale