

American Blonde

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **31**
- SRM **4.5**
- Style **Blonde Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **35.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

Steps

- Temp **66 C**, Time **75 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **75 min** at **66C**
- Keep mash **10 min** at **77C**
- Sparge using **21.9 liter(s)** of **76C** water or to achieve **35.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5.3 kg (79.1%)	80 %	5
Grain	Pilzneński	1.1 kg (16.4%)	81 %	4
Grain	Carahell	0.3 kg (4.5%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	15 g	60 min	15.5 %
Aroma (end of boil)	Cascade	20 g	5 min	6 %
Aroma (end of boil)	Citra	20 g	15 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Liquid	30 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	7 g	Boil	15 min
Water Agent	chlerek wapnia	3 g	Mash	70 min