

American Brown ale

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **31**
- SRM **18.8**
- Style **American Brown Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21.2 liter(s)**
- Total mash volume **27.2 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **21.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (82.6%)	80 %	5
Grain	Strzegom Karmel 150	0.5 kg (8.3%)	75 %	150
Grain	Strzegom Czekoladowy jasny	0.5 kg (8.3%)	68 %	400
Grain	Carafa III	0.05 kg (0.8%)	70 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	15 g	60 min	15.5 %
Boil	Citra	50 g	5 min	12 %
Boil	Mosaic	50 g	0 min	10 %

Yeasts

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