

Kveik APA

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **49**
- SRM **8.8**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.9 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **18.1 liter(s)** of **76C** water or to achieve **28.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.7 kg (68.5%)	80 %	5
Grain	Pilznieński	1 kg (18.5%)	81 %	4
Grain	Pszeniczny	0.5 kg (9.3%)	85 %	4
Grain	carraaroma	0.2 kg (3.7%)	--- %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	30 g	30 min	12 %
Boil	Mosaic	30 g	10 min	10 %
Boil	Amarillo	30 g	5 min	9.5 %
Boil	Citra	30 g	5 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Slant	250 ml	FM