

APA

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **31**
- SRM **4.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **29.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.1 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **28.7 liter(s)**

Steps

- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **21.7 liter(s)** of strike water to **72.3C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **14.4 liter(s)** of **76C** water or to achieve **29.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (100%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	25 g	60 min	8.5 %
Boil	Chinook	25 g	15 min	8.5 %
Boil	Chinook	25 g	5 min	8.5 %
Dry Hop	Citra	50 g	3 day(s)	12.6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	150 ml	Fermentis