

## APA 52

---

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **58**
- SRM **3.8**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **30 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **32.9 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **30 liter(s)**

### Steps

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

### Mash step by step

- Heat up **24 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **14.9 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (100%)	80 %	5

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	25 g	60 min	11.3 %
Aroma (end of boil)	Vic Secret	10 g	5 min	16.3 %
Whirlpool	Vic Secret	20 g	10 min	16.3 %
Dry Hop	Vic Secret	70 g	7 day(s)	16.3 %
Boil	Amarillo	35 g	60 min	9.4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Lallemand - LalBrew Voss Kveik	Ale	Slant	50 ml	Lallemand

### Extras

Type	Name	Amount	Use for	Time
Finning	whirlfloc	5 g	Boil	10 min