

APA

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **37**
- SRM **4.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **5.6 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **33 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	2.5 kg (50%)	82 %	4
Grain	Viking Pale Ale malt	2.5 kg (50%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale