

Sacramento

- Gravity **15.2 BLG**
- ABV ---
- IBU **49**
- SRM **5.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Fermentables

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

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	20 g	50 min	10.5 %
Boil	Centennial	15 g	15 min	10.5 %
Boil	Centennial	20 g	10 min	10.5 %
Boil	Centennial	20 g	5 min	10.5 %
Boil	Centennial	15 g	0 min	10.5 %
Dry Hop	Centennial	90 g	6 day(s)	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Ale	Dry	11.5 g	safale