

west coast

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **70**
- SRM **4.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **7 %**
- Size with trub loss **21.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **55 C**, Time **10 min**
- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **10 min** at **55C**
- Keep mash **60 min** at **66C**
- Keep mash **0 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (83.3%)	80 %	5
Grain	Briess - Pilsen Malt	1 kg (16.7%)	80.5 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	25 g	60 min	14.1 %
Boil	Chinook	25 g	15 min	10.5 %
Aroma (end of boil)	Chinook	25 g	15 min	10.5 %
Whirlpool	Simcoe	25 g	15 min	14.1 %
Dry Hop	Ekuanot	50 g	3 day(s)	14 %
Dry Hop	Mosaic	100 g	3 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	22 g	Fermentis