

## West Coast

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **46**
- SRM **4.6**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **27.6 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (83.3%)	80 %	5
Grain	Słód pszeniczny Bestmalz	0.5 kg (8.3%)	82 %	5
Grain	Płatki owsiane	0.5 kg (8.3%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	60 min	12.9 %
Boil	Mackimac	20 g	60 min	10 %
Whirlpool	Citra	30 g	0 min	12.9 %
Whirlpool	Mackimac	30 g	0 min	10 %
Dry Hop	Citra	50 g	3 day(s)	12.9 %
Dry Hop	Mackimac	50 g	3 day(s)	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis