

## west coast ipa - single Southern passion

- Gravity **15.9 BLG**
- ABV ---
- IBU **66**
- SRM **5.8**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **20.7 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **18.5 liter(s)**

### Steps

- Temp **66.6 C**, Time **60 min**

### Mash step by step

- Heat up **14.4 liter(s)** of strike water to **73.3C**
- Add grains
- Keep mash **60 min** at **66.6C**
- Sparge using **10.4 liter(s)** of **76C** water or to achieve **20.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.76 kg (91.5%)	85 %	7
Grain	Carahell	0.2 kg (4.9%)	77 %	26
Grain	Weyermann - Carapils	0.15 kg (3.6%)	78 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Southern passion	10 g	60 min	11.7 %
Boil	Southern passion	20 g	45 min	11.7 %
Boil	Southern passion	10 g	30 min	11.7 %
Boil	Southern passion	30 g	5 min	11.7 %
Whirlpool	Southern passion	30 g	30 min	11.7 %
Dry Hop	Southern passion	50 g	7 day(s)	11.7 %

### Yeasts

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

### Extras

Type	Name	Amount	Use for	Time
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Fining	mech irlandzki	5 g	Boil	10 min
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