

## Double West Coast

- Gravity **19.8 BLG**
- ABV **8.7 %**
- IBU **65**
- SRM **4.4**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **18.6 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **2.8 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Heidelberg	5 kg (80.6%)	80.5 %	2
Grain	Rice, Flaked	1.2 kg (19.4%)	70 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	30 g	45 min	12.1 %
Boil	Citra	30 g	10 min	12.5 %
Whirlpool	Citra	70 g	0 min	12 %
Dry Hop	Strata	50 g	2 day(s)	13.6 %
Dry Hop	simcoe 2020	50 g	2 day(s)	12.6 %
Dry Hop	Galaxy	50 g	2 day(s)	15 %

### Yeasts

Name	Type	Form	Amount	Laboratory
WLP007 - Dry English Ale Yeast	Ale	Slant	250 ml	White Labs

### Extras

Type	Name	Amount	Use for	Time
Water Agent	gips	6 g	Mash	60 min
Fining	whirflock	1 g	Boil	3 min