

# West Coast IPA

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **44**
- SRM **4**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **30.8 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

## Steps

- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **17.4 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4.8 kg (82.8%)	80 %	4
Grain	Strzegom Monachijski typ I	0.5 kg (8.6%)	79 %	16
Grain	Płatki pszeniczne	0.25 kg (4.3%)	85 %	3
Grain	Płatki owsiane	0.25 kg (4.3%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	14.4 %
Boil	Simcoe	25 g	30 min	12.1 %
Whirlpool	Citra	25 g	30 min	13.3 %
Dry Hop	Simcoe	25 g	3 day(s)	12.1 %
Dry Hop	Citra	25 g	3 day(s)	13.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Slant	200 ml	Mangrove Jack's