

# west coast ipa homebrewing

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- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **63**
- SRM **5**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **13.8 liter(s)**

## Mash information

- Mash efficiency **69 %**
- Liquor-to-grist ratio **3.7 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **17.2 liter(s)**

## Steps

- Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **13.5 liter(s)** of strike water to **71.1C**
- Add grains
- Keep mash **50 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **4 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 2 kg (54.8%)   | 80 %  | 5   |
| Grain | Strzegom Pilzneński  | 1.4 kg (38.4%) | 80 %  | 4   |
| Grain | Pszeniczny           | 0.25 kg (6.8%) | 85 %  | 4   |

## Hops

| Use for             | Name                   | Amount | Time     | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil                | Columbus/Tomahawk/Zeus | 15 g   | 60 min   | 15.5 %     |
| Aroma (end of boil) | Chinook                | 15 g   | 1 min    | 13 %       |
| Whirlpool           | Simcoe                 | 25 g   | 20 min   | 13.2 %     |
| Dry Hop             | Simcoe                 | 25 g   | 3 day(s) | 13.2 %     |
| Dry Hop             | Cascade                | 25 g   | 3 day(s) | 6 %        |
| Dry Hop             | Mosaic                 | 25 g   | 3 day(s) | 10 %       |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11 g   | Fermentis  |