

west coast 3.0

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **46**
- SRM **4.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **21 liter(s)**

Steps

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

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **78C**
- Sparge using **17.2 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Pilzneński | 4.9 kg (93.3%) | 81 % | 4 |
| Grain | Pszeniczny | 0.2 kg (3.8%) | 85 % | 4 |
| Grain | Simpsons - Caramalt | 0.15 kg (2.9%) | 76 % | 69 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|----------|------------|
| Boil | Citra | 20 g | 40 min | 12 % |
| Boil | sabro | 20 g | 15 min | 13 % |
| Boil | Mosaic | 20 g | 10 min | 10 % |
| Boil | Simcoe | 25 g | 5 min | 13.2 % |
| Dry Hop | Citra | 30 g | 4 day(s) | 12 % |
| Dry Hop | sabro | 40 g | 4 day(s) | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|--------|--------|------------------|
| FM54 Gorączka kalifornijska | Ale | Liquid | 30 ml | Fermentum Mobile |