

West Coast IPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **62**
- SRM **4.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **17.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **12 %/h**
- Boil size **20.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.9 liter(s)**
- Total mash volume **19.1 liter(s)**

Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **14.9 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **9.9 liter(s)** of **76C** water or to achieve **20.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt | 3.5 kg (77.8%) | 82 % | 4 |
| Grain | Viking Wheat Malt | 0.5 kg (11.1%) | 83 % | 5 |
| Grain | Viking Munich Malt | 0.25 kg (5.6%) | 78 % | 18 |
| Sugar | cukier | 0.25 kg (5.6%) | 100 % | 1 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 5 g | 60 min | 16.8 % |
| Boil | Warrior | 5 g | 60 min | 14.1 % |
| Boil | Warrior | 25 g | 30 min | 14.1 % |
| Boil | Centennial | 30 g | 5 min | 9.7 % |
| Aroma (end of boil) | Citra | 30 g | 0 min | 13.7 % |
| Whirlpool | Citra | 30 g | 1 min | 13.7 % |
| Dry Hop | Citra | 10 g | 3 day(s) | 13.7 % |
| Dry Hop | Centennial | 20 g | 3 day(s) | 9.7 % |
| Dry Hop | Mosaic | 20 g | 3 day(s) | 12.1 % |

Yeasts

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

| Name | Type | Form | Amount | Laboratory |
|--------------------|-------------|-------------|---------------|-------------------|
| Gozdawa West Coast | Ale | Dry | 10 g | --- |