

West Coast IPA

- 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 |