

West Coast IPA 2021 (Bitter Sweet Symphony)

- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **43**
- SRM **4.5**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.1 liter(s)**
- Total mash volume **16.2 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **12.1 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **7.1 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|-----------------|-------|-----|
| Grain | Simpsons - Golden Promise | 2.64 kg (65.3%) | 81 % | 4 |
| Grain | Viking Pilsner malt | 1.2 kg (29.7%) | 82 % | 4 |
| Grain | Rice, Flaked | 0.2 kg (5%) | 70 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil | mosaic | 25 g | 30 min | 12.3 % |
| Aroma (end of boil) | Mosaic | 10 g | 5 min | 10 % |
| Aroma (end of boil) | Citra | 10 g | 5 min | 11.8 % |
| Dry Hop | Citra | 15 g | 3 day(s) | 11.8 % |
| Dry Hop | Mosaic | 50 g | 3 day(s) | 12.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|-------|--------|------------|
| US-05 | Ale | Slant | 150 ml | --- |

Notes

- Woda Oaza 17.5L + 1.5L R.O + 1L kranówka

2.5gr gips piwowarski
1 gr sól kuchenna NaCl niejodowana
5ml kwasu mlekowego obniżył Ph do 6.67 wg żółtego Phmetru
dodane do całości, odebrałem 6L wody do wyśładzania
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