

# 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  
*Aug 10, 2021, 4:23 PM*