

Double West Coast ipa

- Gravity **19.3 BLG**
- ABV **8.4 %**
- IBU **77**
- SRM **8.5**
- Style **Imperial 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.6 liter(s)**
- Total mash volume **36.8 liter(s)**

Steps

- Temp **64 C**, Time **90 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **27.6 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **90 min** at **64C**
- Keep mash **10 min** at **72C**
- Sparge using **9.3 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-------------------------|---------------|-------|-----|
| Grain | Viking Pilsner malt | 5 kg (54.3%) | 82 % | 4 |
| Grain | simspons extra pale ale | 2 kg (21.7%) | 85 % | 3 |
| Grain | simpsons imperial | 1 kg (10.9%) | 79 % | 45 |
| Grain | Dextrine simpsons | 0.5 kg (5.4%) | 72 % | 2 |
| Grain | Simpsons - Caramalt | 0.2 kg (2.2%) | 76 % | 69 |
| Grain | Słód owsiany simpsons | 0.5 kg (5.4%) | 61 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Puławski | 30 g | 60 min | 7 % |
| Boil | Chinook | 50 g | 60 min | 13 % |
| Whirlpool | Mosaic | 50 g | 10 min | 10 % |
| Whirlpool | Cascade | 50 g | 10 min | 6 % |
| Dry Hop | Equinox | 30 g | 2 day(s) | 13.1 % |
| Dry Hop | Mosaic | 50 g | 2 day(s) | 10 % |
| Dry Hop | Centennial | 50 g | 2 day(s) | 10.5 % |

Yeasts

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

| Name | Type | Form | Amount | Laboratory |
|------------------------------|-------------|-------------|---------------|-------------------|
| mój blend us05 + mangrove wc | Ale | Slant | 300 ml | --- |