

Double West Coast

- Gravity **19.8 BLG**
- ABV **8.7 %**
- IBU **65**
- SRM **4.4**
- 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 **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.6 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **2.8 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------|----------------|--------|-----|
| Grain | Heidelberg | 5 kg (80.6%) | 80.5 % | 2 |
| Grain | Rice, Flaked | 1.2 kg (19.4%) | 70 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|-------------|--------|----------|------------|
| Boil | Chinook | 30 g | 45 min | 12.1 % |
| Boil | Citra | 30 g | 10 min | 12.5 % |
| Whirlpool | Citra | 70 g | 0 min | 12 % |
| Dry Hop | Strata | 50 g | 2 day(s) | 13.6 % |
| Dry Hop | simcoe 2020 | 50 g | 2 day(s) | 12.6 % |
| Dry Hop | Galaxy | 50 g | 2 day(s) | 15 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------------|------|-------|--------|------------|
| WLP007 - Dry English Ale Yeast | Ale | Slant | 250 ml | White Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------|--------|---------|--------|
| Water Agent | gips | 6 g | Mash | 60 min |
| Fining | whirflock | 1 g | Boil | 3 min |