

#02 West Coast IPA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **56**
- SRM **4.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **34.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **75 C**, Time **10 min**

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **18.2 liter(s)** of **76C** water or to achieve **34.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Pilznieński | 3 kg (46.2%) | 81 % | 4 |
| Grain | Pale Ale Strzegom | 3 kg (46.2%) | 80 % | 6 |
| Grain | Pszeniczny Strzegom | 0.5 kg (7.7%) | 75 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 30 g | 60 min | 12 % |
| Boil | Columbus/Tomahawk/Zeus | 10 g | 20 min | 15.5 % |
| Boil | Citra | 10 g | 20 min | 12 % |
| Boil | amarillo | 20 g | 20 min | 11 % |
| Boil | Citra | 10 g | 5 min | 12 % |
| Dry Hop | Amarillo | 20 g | 4 day(s) | 9.5 % |
| Dry Hop | Citra | 30 g | 4 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US-05 | Ale | Dry | 11 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-----------------|--------|---------|------|
| Water Agent | Gips piwowarski | 30 g | Mash | --- |