

West Coast IPA v4 (oak aged)

- Gravity **14.6 BLG**
- ABV ---
- IBU **69**
- SRM **5.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

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

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **75C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | Pilznieński | 2 kg (36.4%) | 81 % | 4 |
| Grain | Pale Ale Strzegom | 2 kg (36.4%) | 80 % | 6 |
| Grain | Strzegom Wiedeński | 1 kg (18.2%) | 79 % | 10 |
| Grain | Pszeniczny Strzegom | 0.5 kg (9.1%) | 75 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 30 g | 60 min | 12.5 % |
| Boil | Chinook | 15 g | 60 min | 11.7 % |
| Boil | lunga | 20 g | 20 min | 11 % |
| Whirlpool | Athanaum | 20 g | 0 min | 5 % |
| Dry Hop | Simcoe | 40 g | 3 day(s) | 13 % |
| Dry Hop | Cascade | 40 g | 3 day(s) | 6 % |
| Dry Hop | Mosaic | 20 g | 3 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--|-----|-----|------|-----|
| Mangrove Jack's M42 NEW WORLD STRONG ALE | Ale | Dry | 11 g | --- |
|--|-----|-----|------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|-------------|--------------------------|--------|-----------|-----------|
| Water Agent | Gips piwowarski | 20 g | Mash | 60 min |
| Flavor | Płatki dębowe Whiskey | 20 g | Secondary | 20 day(s) |