

West Coast IPA 4

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **59**
- SRM **7.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **50 liter(s)**
- Trub loss **5 %**
- Size with trub loss **55 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **63.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **49.4 liter(s)**
- Total mash volume **63.5 liter(s)**

Steps

- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **15 min**

Mash step by step

- Heat up **49.4 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **20 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **28 liter(s)** of **76C** water or to achieve **63.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 5.5 kg (39%) | 80 % | 5 |
| Grain | Oats, Flaked | 0.6 kg (4.3%) | 80 % | 2 |
| Grain | płatki jęczmienne | 0.5 kg (3.5%) | 60 % | 4 |
| Grain | Weyermann pszeniczny ciemny | 1 kg (7.1%) | 80 % | 18 |
| Grain | Weyermann pszeniczny jasny | 1 kg (7.1%) | 80 % | 6 |
| Grain | Karmelowy Czerwony | 1.5 kg (10.6%) | 75 % | 59 |
| Grain | Weyermann - Carapils | 2.5 kg (17.7%) | 78 % | 4 |
| Grain | Strzegom Pilzneński | 1.5 kg (10.6%) | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Marynka | 120 g | 60 min | 10 % |
| Boil | X09326 | 30 g | 30 min | 4.8 % |
| Boil | X09326 | 50 g | 10 min | 4.8 % |
| Aroma (end of boil) | X09326 | 50 g | 0 min | 4.8 % |

| | | | | |
|---------|--------|-------|----------|-------|
| Dry Hop | X09326 | 100 g | 6 day(s) | 4.8 % |
| Dry Hop | X09326 | 100 g | 3 day(s) | 4.8 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------|------|------|--------|------------|
| Lida | Ale | Dry | 3 g | --- |
| Hot Head | Ale | Dry | 3 g | --- |
| Oslo | Ale | Dry | 3 g | --- |
| Jovaru | Ale | Dry | 3 g | --- |