

White session IPA

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **34**
- SRM **4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **51 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.9 liter(s)**
- Total mash volume **37.2 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **27.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **32.4 liter(s)** of **76C** water or to achieve **51 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (53.8%) | 80 % | 6 |
| Grain | Pszeniczny | 4 kg (43%) | 85 % | 4 |
| Grain | zakwaszający | 0.3 kg (3.2%) | 85 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|------------|--------|----------|------------|
| Boil | Citra | 40 g | 30 min | 12 % |
| Boil | Centennial | 10 g | 10 min | 10.4 % |
| Boil | Citra | 10 g | 7 min | 12 % |
| Boil | Mosaic | 10 g | 5 min | 10.4 % |
| Whirlpool | Citra | 50 g | 5 min | 12 % |
| Whirlpool | Centennial | 40 g | 5 min | 10.4 % |
| Whirlpool | Mosaic | 40 g | 5 min | 10.4 % |
| Dry Hop | Centennial | 50 g | 3 day(s) | 10 % |
| Dry Hop | Mosaic | 50 g | 3 day(s) | 12 % |

Yeasts

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

| | | | | |
|--------------|-----|-----|------|-----------|
| Safale US-05 | Ale | Dry | 11 g | Fermentis |
|--------------|-----|-----|------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|-----------|----------|
| Flavor | zest cytrynowy | 10 g | Secondary | 5 day(s) |