

apa citra mosaic

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **55**
- SRM **6.4**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **18.3 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|---------------|-------|-----|
| Grain | Viking Pale Ale malt | 5 kg (74.6%) | 80 % | 5 |
| Grain | Karmelowy Jasny 30EBC | 1 kg (14.9%) | 75 % | 30 |
| Grain | cookie | 0.2 kg (3%) | 72 % | 50 |
| Grain | Płatki owsiane | 0.5 kg (7.5%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|--------|--------|----------|------------|
| Boil | citra | 30 g | 60 min | 13.5 % |
| Boil | citra | 20 g | 15 min | 13.5 % |
| Boil | Mosaic | 10 g | 15 min | 10.4 % |
| Boil | citra | 20 g | 5 min | 13.5 % |
| Whirlpool | citra | 20 g | 0 min | 13.5 % |
| Whirlpool | Mosaic | 20 g | 0 min | 10.4 % |
| Dry Hop | citra | 40 g | 5 day(s) | 13.5 % |

Yeasts

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

| | | | | |
|-------|-----|-----|--------|-----|
| us-05 | Ale | Dry | 11.5 g | --- |
|-------|-----|-----|--------|-----|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | mech irlandzki | 5 g | Boil | 15 min |