

# sesjalPA

- Gravity **11.4 BLG**
- ABV ---
- IBU **57**
- SRM **4.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.3 liter(s)**
- Total mash volume **18.4 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **14.3 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Weyermann - Carapils | 0.1 kg (2.4%) | 78 %  | 4   |
| Grain | Strzegom Pale Ale    | 4 kg (97.6%)  | 79 %  | 6   |

## Hops

| Use for | Name             | Amount | Time     | Alpha acid |
|---------|------------------|--------|----------|------------|
| Boil    | Simcoe           | 10 g   | 60 min   | 13.2 %     |
| Boil    | Simcoe           | 10 g   | 40 min   | 13.2 %     |
| Boil    | Simcoe           | 10 g   | 20 min   | 13.2 %     |
| Boil    | Simcoe           | 20 g   | 5 min    | 13.2 %     |
| Boil    | Vic Secret (AUS) | 25 g   | 5 min    | 16.1 %     |
| Boil    | Vic Secret (AUS) | 25 g   | 1 min    | 16.1 %     |
| Dry Hop | Vic Secret (AUS) | 50 g   | 5 day(s) | 16.1 %     |

## Yeasts

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