

# Cytrynowa sesja

- Gravity **11.2 BLG**
- ABV ---
- IBU **35**
- SRM **7**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

## Steps

- Temp **65 C**, Time **75 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **75 min** at **65C**
- Keep mash **5 min** at **76C**
- Sparge using **14 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Pale Malt (2 Row) UK | 4 kg (88.9%)   | 78 %  | 6   |
| Grain | Strzegom Karmel 30   | 0.5 kg (11.1%) | 75 %  | 30  |

## Hops

| Use for | Name        | Amount | Time     | Alpha acid |
|---------|-------------|--------|----------|------------|
| Boil    | Warrior     | 4 g    | 60 min   | 15.5 %     |
| Boil    | Sorachi Ace | 20 g   | 30 min   | 10 %       |
| Boil    | Sorachi Ace | 30 g   | 5 min    | 10 %       |
| Dry Hop | Sorachi Ace | 50 g   | 7 day(s) | 10 %       |
| Dry Hop | Citra       | 25 g   | 7 day(s) | 12 %       |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 10 g   | ---        |

## Extras

| Type   | Name           | Amount | Use for | Time   |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 3 g    | Boil    | 10 min |
| Other  | Chłodnica      | 0 g    | Boil    | 15 min |

|       |                 |     |      |        |
|-------|-----------------|-----|------|--------|
| Other | Uwodnić Mech    | 0 g | Boil | 60 min |
| Spice | Trawa cytrynowa | 8 g | Boil | 5 min  |