

# Wheat

- Gravity **12.9 BLG**
- ABV ---
- IBU **56**
- SRM **19.8**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.4 liter(s) / kg**
- Mash size **17 liter(s)**
- Total mash volume **22 liter(s)**

## Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **74 C**, Time **5 min**

## Mash step by step

- Heat up **17 liter(s)** of strike water to **68.2C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **74C**
- Sparge using **15.8 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

| Type  | Name                  | Amount       | Yield | EBC |
|-------|-----------------------|--------------|-------|-----|
| Grain | Pszoniczny            | 2 kg (40%)   | 85 %  | 4   |
| Grain | Strzegom Pilzneński   | 1.5 kg (30%) | 80 %  | 4   |
| Grain | Strzegom Wiedeński    | 1 kg (20%)   | 79 %  | 10  |
| Grain | Słód Caraaroma (R)    | 0.2 kg (4%)  | --- % | 690 |
| Grain | Coffee Castle Malting | 0.3 kg (6%)  | --- % | 500 |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Equinox | 30 g   | 60 min | 13.4 %     |
| Boil    | Summit  | 5 g    | 60 min | 14 %       |
| Boil    | Ahtanum | 20 g   | 5 min  | 5 %        |
| Boil    | Glacier | 20 g   | 5 min  | 5.5 %      |

## Yeasts

| Name                        | Type | Form  | Amount | Laboratory |
|-----------------------------|------|-------|--------|------------|
| Safale US-05<br>01.01.2018r | Ale  | Slant | 200 ml | ---        |

## Extras

| Type   | Name            | Amount | Use for | Time  |
|--------|-----------------|--------|---------|-------|
| Flavor | Trawa cytrynowy | 5 g    | Boil    | 5 min |