

# American Wit TwójBrowar

- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **17**
- SRM **3.3**
- Style **American Wheat or Rye Beer**

## 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 **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **18.9 liter(s)**

## Steps

- Temp **52 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**

## Mash step by step

- Heat up **14.7 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

| Type  | Name                  | Amount         | Yield | EBC |
|-------|-----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński   | 2.9 kg (69%)   | 75 %  | 4   |
| Grain | Pszoniczny            | 0.5 kg (11.9%) | 80 %  | 4   |
| Grain | Pszonica niesłodowana | 0.5 kg (11.9%) | 70 %  | 3   |
| Grain | Słód owsiany Fawcett  | 0.3 kg (7.1%)  | 61 %  | 5   |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Cascade | 10 g   | 60 min | 6 %        |
| Boil    | Cascade | 15 g   | 10 min | 6 %        |
| Boil    | Citra   | 10 g   | 10 min | 12 %       |

## Yeasts

| Name                      | Type | Form   | Amount | Laboratory       |
|---------------------------|------|--------|--------|------------------|
| FM25 Klasztorna medytacja | Ale  | Liquid | 80 ml  | Fermentum Mobile |

## Extras

| Type  | Name                       | Amount | Use for | Time   |
|-------|----------------------------|--------|---------|--------|
| Spice | curacao                    | 10 g   | Boil    | 10 min |
| Spice | kolendra                   | 15 g   | Boil    | 10 min |
| Spice | skórka słodkiej pomarańczy | 10 g   | Boil    | 10 min |
| Spice | skórka bergamotki          | 10 g   | Boil    | 10 min |