

AMERICAN WIT wg Twój Browar

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **18**
- SRM **3.3**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **52 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **18.8 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|----------------|-------|-----|
| Grain | Pilzneński | 3 kg (58.8%) | 81 % | 4 |
| Grain | Pszeniczny | 0.7 kg (13.7%) | 85 % | 4 |
| Grain | Pszenica niesłodowana | 1 kg (19.6%) | 75 % | 3 |
| Grain | Słód owsiany Fawcett | 0.4 kg (7.8%) | 61 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Cascade | 12 g | 60 min | 6 % |
| Boil | Cascade | 18 g | 10 min | 6 % |
| Boil | Citra | 15 g | 10 min | 12 % |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------|--------|---------|--------|
| Flavor | Curacao | 15 g | Boil | 10 min |
| Flavor | Kolendra | 20 g | Boil | 10 min |

| | | | | |
|--------|------------------------------|------|------|--------|
| Flavor | Skórki słodkiej pomarańczy | 15 g | Boil | 10 min |
| Flavor | Skórki pomarańczy bergamotki | 15 g | Boil | 10 min |