

Konkursowe

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **20**
- SRM **3.8**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **50 min**
- Evaporation rate **10 %/h**
- Boil size **34.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

Steps

- Temp **52 C**, Time **50 min**
- Temp **68 C**, Time **90 min**
- Temp **72 C**, Time **15 min**

Mash step by step

- Heat up **17.4 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **50 min** at **52C**
- Keep mash **90 min** at **68C**
- Keep mash **15 min** at **72C**
- Sparge using **23.3 liter(s)** of **76C** water or to achieve **34.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|--|---------------------------|----------------|--------|-----|
| Grain | Strzegom Pilzneński | 2.2 kg (28.2%) | 80 % | 4 |
| Adjunct | Pszenica niesłodowana | 2 kg (25.6%) | 75 % | 3 |
| Grain | Oats, Flaked | 1.5 kg (19.2%) | 80 % | 2 |
| Owies ześrutowany, aby w piwie znalazła się łuska, pół kilograma to płatki owsiane | | | | |
| Grain | Pszeniczny | 0.7 kg (9%) | 85 % | 4 |
| Grain | Słód diastatyczny | 0.6 kg (7.7%) | 100 % | 6 |
| Grain | Acid Malt | 0.3 kg (3.8%) | 58.7 % | 6 |
| Grain | Strzegom pszenica prażona | 0.5 kg (6.4%) | 70 % | 6 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil | Zeus | 20 g | 60 min | 10 % |
| Boil | Mosaic | 20 g | 10 min | 10 % |
| Boil | Lemon drop | 10 g | 5 min | 4.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale K-97 | Ale | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-------------------|--------|---------|--------|
| Spice | Kolendra | 10 g | Boil | 10 min |
| Flavor | Curacao | 10 g | Boil | 10 min |
| Flavor | Bergamotka | 4 g | Boil | 10 min |
| Flavor | Skórka cytryny | 3 g | Boil | 10 min |
| Spice | Kolendra | 10 g | Boil | 1 min |
| Flavor | Curacao | 5 g | Boil | 1 min |
| Flavor | Bergamotka | 5 g | Boil | 1 min |
| Flavor | Skórka pomarańczy | 5 g | Boil | 1 min |