

Saison

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **33**
- SRM **6.5**
- Style **Saison**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **17 %/h**
- Boil size **31.5 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **36 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **28 liter(s)** of strike water to **56.6C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **31.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------|----------------|-------|-----|
| Grain | Pilzneński | 6.5 kg (81.3%) | 79 % | 6 |
| Grain | Żytni | 0.5 kg (6.3%) | 85 % | 8 |
| Grain | Pszeniczny | 0.5 kg (6.3%) | 85 % | 4 |
| Grain | Karmelowy Jasny | 0.5 kg (6.3%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|----------|------------|
| Boil | Citra | 10 g | 60 min | 12 % |
| Boil | Amarillo | 10 g | 60 min | 9.5 % |
| Boil | Citra | 10 g | 30 min | 12 % |
| Boil | Amarillo | 10 g | 30 min | 9.5 % |
| Boil | Citra | 10 g | 1 min | 12 % |
| Boil | Amarillo | 10 g | 1 min | 9.5 % |
| Dry Hop | Citra | 20 g | 5 day(s) | 12 % |
| Dry Hop | Amarillo | 20 g | 5 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|-------|--------|------------|
| FM21 Odkrycie sezonu | Ale | Slant | 200 ml | FM |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 7 g | Boil | 15 min |
| Spice | Curacao | 30 g | Boil | 15 min |