

## Saison 14°

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **13**
- SRM **4.8**
- Style **Saison**

### 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 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

### Steps

- Temp **63 C**, Time **50 min**
- Temp **73 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **12.9 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **50 min** at **63C**
- Keep mash **20 min** at **73C**
- Keep mash **5 min** at **78C**
- Sparge using **16.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name                  | Amount         | Yield | EBC |
|-------|-----------------------|----------------|-------|-----|
| Grain | Pilzneński            | 2.8 kg (65.1%) | 81 %  | 4   |
| Grain | Monachijski           | 0.7 kg (16.3%) | 80 %  | 16  |
| Grain | Pszeniczny            | 0.5 kg (11.6%) | 85 %  | 4   |
| Grain | Karmelowy Jasny 30EBC | 0.3 kg (7%)    | 75 %  | 30  |

### Hops

| Use for | Name          | Amount | Time   | Alpha acid |
|---------|---------------|--------|--------|------------|
| Boil    | Triskel       | 20 g   | 60 min | 3.5 %      |
| Boil    | Strisselspalt | 15 g   | 15 min | 4 %        |
| Boil    | Strisselspalt | 15 g   | 5 min  | 4 %        |

### Yeasts

| Name                 | Type | Form   | Amount  | Laboratory       |
|----------------------|------|--------|---------|------------------|
| FM21 Odkrycie sezonu | Ale  | Liquid | 1200 ml | Fermentum Mobile |

### Extras

| Type   | Name               | Amount | Use for | Time   |
|--------|--------------------|--------|---------|--------|
| Flavor | skórka pomarańczy  | 20 g   | Boil    | 10 min |
| Other  | cukier kandyzowany | 400 g  | Boil    | 5 min  |