

## Saison pomarańczowa

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **24**
- SRM **6.9**
- 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 **79 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **23.2 liter(s)**

### Steps

- Temp **51 C**, Time **10 min**
- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **10 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **55.4C**
- Add grains
- Keep mash **10 min** at **51C**
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **72C**
- Sparge using **12.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount        | Yield | EBC |
|-------|----------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński  | 3.5 kg (68%)  | 80 %  | 4   |
| Grain | Strzegom Pszeniczny  | 1 kg (19.4%)  | 81 %  | 6   |
| Grain | Płatki owsiane       | 0.4 kg (7.8%) | 60 %  | 3   |
| Grain | Abbey Malt Weyermann | 0.2 kg (3.9%) | 75 %  | 45  |
| Grain | Strzegom Karmel 150  | 0.05 kg (1%)  | 75 %  | 600 |

### Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Falconer's Flight | 10 g   | 60 min | 10.5 %     |
| Boil                | Lublin (Lubelski) | 30 g   | 60 min | 3 %        |
| Aroma (end of boil) | Wai-iti           | 25 g   | 15 min | 2.7 %      |

### Yeasts

| Name          | Type | Form | Amount | Laboratory |
|---------------|------|------|--------|------------|
| Safale BE-134 | Ale  | Dry  | 11.5 g | Fermentis  |

### Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name                             | Amount | Use for | Time   |
|--------|----------------------------------|--------|---------|--------|
| Flavor | skórka pomarańczy<br>kandyzowana | 90 g   | Boil    | 10 min |