

# Saison

- Gravity **14.1 BLG**
- ABV ---
- IBU **29**
- SRM **7.9**
- Style **Saison**

## Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **10 %**
- Size with trub loss **44 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **48.4 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **33.6 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **24 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **34 liter(s)** of **76C** water or to achieve **48.4 liter(s)** of wort

## Fermentables

| Type  | Name                | Amount         | Yield  | EBC |
|-------|---------------------|----------------|--------|-----|
| Grain | Acid Malt           | 0.7 kg (7.3%)  | 58.7 % | 6   |
| Grain | Pilznieński         | 7 kg (72.9%)   | 81 %   | 4   |
| Grain | Strzegom Karmel 150 | 0.4 kg (4.2%)  | 75 %   | 150 |
| Grain | Pszeniczny          | 1.5 kg (15.6%) | 85 %   | 4   |

## Hops

| Use for    | Name  | Amount | Time   | Alpha acid |
|------------|-------|--------|--------|------------|
| First Wort | lunga | 30 g   | 60 min | 11 %       |
| Boil       | lunga | 25 g   | 30 min | 11 %       |

## Yeasts

| Name                 | Type | Form   | Amount  | Laboratory       |
|----------------------|------|--------|---------|------------------|
| FM21 Odkrycie sezonu | Ale  | Liquid | 2500 ml | Fermentum Mobile |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |                   |     |      |       |
|-------|-------------------|-----|------|-------|
| Spice | skórka pomarańczy | 3 g | Boil | 5 min |
| Spice | skórka limonki    | 2 g | Boil | 5 min |

### Notes

- Dodano na ostatnie 5 minut gotowania skórkę z 3 pomarańczy i 2 limonek  
*Aug 24, 2015, 1:30 PM*