

## .SAISON

- Gravity **14.5 BLG**
- ABV ---
- IBU **35**
- SRM **12.9**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

### Mash step by step

- Heat up **15.9 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (53.6%)	81 %	4
Grain	Strzegom Wiedeński	1 kg (17.9%)	79 %	10
Grain	Pszeniczny	0.8 kg (14.3%)	85 %	4
Grain	Carahell	0.2 kg (3.6%)	77 %	26
Grain	Caraaroma	0.2 kg (3.6%)	78 %	400
Grain	zakwaszający	0.1 kg (1.8%)	100 %	4
Sugar	cukier	0.3 kg (5.4%)	100 %	0

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	65 min	10 %
Boil	Saaz (Czech Republic)	20 g	20 min	4.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM21 Odkrycie sezonu	Ale	Liquid	150 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Spice	curacao	20 g	Boil	20 min