

# saison

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **28**
- SRM **9.8**
- 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 **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

## Steps

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

## Mash step by step

- Heat up **14.1 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Sparge using **15.9 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.7 kg (57.4%)	81 %	4
Grain	Strzegom Wiedeński	0.8 kg (17%)	79 %	10
Grain	Pszeniczny	0.7 kg (14.9%)	85 %	4
Grain	Carahell	0.2 kg (4.3%)	77 %	26
Grain	Caraaroma	0.2 kg (4.3%)	78 %	400
Grain	zakwaszający	0.1 kg (2.1%)	70 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	23 g	45 min	7.4 %
Boil	Saaz (Czech Republic)	20 g	20 min	3.5 %
Boil	Saaz (Czech Republic)	10 g	5 min	3.5 %
Boil	junga	4 g	45 min	12.9 %

## Yeasts

Name	Type	Form	Amount	Laboratory
safale be-134	Ale	Dry	11 g	fermentis

## Extras

Type	Name	Amount	Use for	Time
Other	glukoza	300 g	Boil	0 min
Spice	curaco	20 g	Boil	15 min