

# #1

- Gravity **14.3 BLG**
- ABV ---
- IBU **39**
- SRM **14.8**
- Style **American Amber Ale**

## Batch size

- Expected quantity of finished beer **10.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **13.5 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **9.9 liter(s)**
- Total mash volume **12.9 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **9.9 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **6.6 liter(s)** of **76C** water or to achieve **13.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Karmel 150	0.2 kg (6.7%)	75 %	150
Grain	Strzegom Pale Ale	2 kg (66.7%)	79 %	6
Grain	Strzegom Wiedeński	0.5 kg (16.7%)	79 %	10
Grain	Strzegom Bursztynowy	0.3 kg (10%)	70 %	49

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	10 g	60 min	10 %
Boil	Lublin (Lubelski)	15 g	60 min	4 %
Boil	Lublin (Lubelski)	15 g	10 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
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Fining	Irish Moss	2.5 g	Boil	15 min
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