

# PILS 13,5 BLG # 106

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- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **35**
- SRM **4.6**
- Style **Bohemian Pilsener**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **31.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **27.9 liter(s)**

## Steps

- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **21.7 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **31.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (80.6%)	80 %	4
Grain	Monachijski	1 kg (16.1%)	80 %	16
Grain	Rice, Flaked	0.2 kg (3.2%)	70 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Pl167	50 g	20 min	8.2 %
Boil	Pl167	50 g	10 min	8.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Slant	300 ml	Fermentis