

## Nowy poczatek

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- Gravity **13.5 BLG**
- ABV ---
- IBU **34**
- SRM **9.6**
- Style **Blonde Ale**

### 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 **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

### Steps

- Temp **45 C**, Time **10 min**
- Temp **65 C**, Time **30 min**
- Temp **73 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **17.5 liter(s)** of strike water to **48.6C**
- Add grains
- Keep mash **10 min** at **45C**
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **73C**
- Keep mash **10 min** at **78C**
- Sparge using **12.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Wiedeński	3 kg (60%)	79 %	10
Grain	Strzegom Monachijski typ I	2 kg (40%)	79 %	16

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	50 g	60 min	3.5 %
Boil	Kent Goldings	50 g	15 min	4.7 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Ale	Dry	11.5 g	---