

Prosty Felek

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **26**
- SRM **4.7**
- Style **Belgian Pale Ale**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **1 %**
- Size with trub loss **23.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.3 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **19.1 liter(s)** of **76C** water or to achieve **29.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.5 kg (49%)	80 %	4
Grain	Strzegom Wiedeński	2.5 kg (49%)	79 %	10
Grain	Weyermann - Acidulated Malt	0.1 kg (2%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	20 g	60 min	10 %
Boil	Lublin (Lubelski)	30 g	15 min	4 %