

# Polska Pszenica

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- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **24**
- SRM **3.8**

## Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.5 liter(s)**

## Mash information

- Mash efficiency **71 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **44 C**, Time **10 min**
- Temp **64 C**, Time **45 min**
- Temp **78 C**, Time **10 min**
- Temp **52 C**, Time **10 min**
- Temp **72 C**, Time **10 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **10 min** at **44C**
- Keep mash **10 min** at **52C**
- Keep mash **45 min** at **64C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **28.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.5 kg (38.5%)	70 %	4
Grain	Strzegom Pilzneński	2 kg (30.8%)	80 %	4
Grain	Płatki pszeniczne	1.4 kg (21.5%)	70 %	3
Grain	Płatki owsiane	0.2 kg (3.1%)	70 %	3
Grain	Płatki jęczmienne	0.4 kg (6.2%)	70 %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	25 g	60 min	9.8 %
Aroma (end of boil)	Oktawia	10 g	0 min	7.1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Liquid	1000 ml	FM

## Extras

Type	Name	Amount	Use for	Time
Flavor	curacao	20 g	Boil	10 min
Other	Wirflock	0.1 g	Boil	10 min

## Notes

- Warka 21-07-2019 gęstość przed gotowaniem 11 blog. Płatki ryżowe 100 g na MO.  
 Trochę tabletki wirflock na 10 minut.  
 Prawdopodobnie na cichą podzielę na dwie Warki i do jednej pójdą truskawki na cichą.  
 23-07-2019 5 blg fermentacja w 30 c.  
 24-07-2019- 5 blg  
 Zlane na cichą pobrana gęstwa 2019-07-29  
 Dodane do 11 l 700 g truskawek 2019-07-30  
 2019-08-01 do drugiego fermentora 11 l 30 g Styrian Golding i 30 Styrian Cardinal lubelski 20g Amarillo 10 g.  
 2019-08-06 do butelek plus 65 g glukozy  
*Jul 21, 2019, 12:32 PM*