

# Smok w pszenicy (wg Doroty Chrapek)

- Gravity **13.3 BLG**
- ABV ---
- IBU **17**
- SRM **8.6**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **19.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.1 liter(s)**
- Total mash volume **16.2 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **12.1 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **19.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód pszeniczny wędzony dębem	2.25 kg (55.6%)	81 %	10
<a href="https://www.deptana.pl/pl/p/Slod-WEDZONY-DEBEM-VMalt-5kg-/3070">https://www.deptana.pl/pl/p/Slod-WEDZONY-DEBEM-VMalt-5kg-/3070</a>				
Grain	Słód jęczmienny wędzony jabłonią	1.13 kg (27.8%)	81 %	10
<a href="https://www.deptana.pl/pl/p/slod-WEDZONY-JABLONIA-viking-malt-1kg/3780">https://www.deptana.pl/pl/p/slod-WEDZONY-JABLONIA-viking-malt-1kg/3780</a>				
Grain	Słód monachijski jasny	0.45 kg (11.1%)	78 %	16
<a href="https://www.deptana.pl/pl/p/Slod-MONACHIJSKI-JASNY-Viking-Malt-250g/3794">https://www.deptana.pl/pl/p/Slod-MONACHIJSKI-JASNY-Viking-Malt-250g/3794</a>				
Grain	Słód Carawheat	0.22 kg (5.6%)	--- %	115

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	22.5 g	40 min	4.4 %
Aroma (end of boil)	Lublin (Lubelski)	15 g	15 min	4.4 %

## Yeasts

<b>Name</b>	<b>Type</b>	<b>Form</b>	<b>Amount</b>	<b>Laboratory</b>
FM41 Gwoździe i Banany	Wheat	Liquid	22.5 ml	Fermentum Mobile

### **Extras**

<b>Type</b>	<b>Name</b>	<b>Amount</b>	<b>Use for</b>	<b>Time</b>
Other	Palona pszenica	112.5 g	Mash	5 min