

Pszenica w garach ver. z karmelowym!

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **15**
- SRM **4.9**
- Style **Weizen/Weissbier**

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 **15 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **44 C**, Time **20 min**
- Temp **65 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **13.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2 kg (44.4%)	85 %	4
Grain	Pilzneński	2.3 kg (51.1%)	81 %	4
Grain	Weyermann - Acidulated Malt	0.1 kg (2.2%)	80 %	6
Grain	Strzegom Karmel 150	0.1 kg (2.2%)	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	25 min	12.4 %

Yeasts

Name	Type	Form	Amount	Laboratory
WB-06	Wheat	Slant	200 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
------	------	--------	---------	------

Flavor	skórka pomarańczy	25 g	Boil	7 min
--------	-------------------	------	------	-------