

# American Wheat CHMIEL PL -Zulu Gula

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **25**
- SRM **4.2**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **18.8 liter(s)**
- Total mash volume **23.5 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **18.8 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **23.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.3 kg (48.9%)	80 %	5
Grain	Weyermann pszeniczny jasny	2 kg (42.6%)	80 %	6
Grain	Płatki pszeniczne	0.4 kg (8.5%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zula Polish Hops	20 g	20 min	7.3 %
Boil	Zula Polish Hops	20 g	5 min	7.3 %
Aroma (end of boil)	Zula Polish Hops	60 g	5 min	7.3 %
Dry Hop	Zula Polish Hops	100 g	2 day(s)	7.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa U.S. West Coast	Ale	Dry	22 g	gozdawa

## Extras

Type	Name	Amount	Use for	Time
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Water Agent	NaCl	4.2 g	Mash	60 min
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