

# Zula

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **19**
- SRM **3.4**
- Style **American Wheat or Rye Beer**

## Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.3 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **33.4 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Steps

- Temp **67.5 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **16.2 liter(s)** of strike water to **75.4C**
- Add grains
- Keep mash **60 min** at **67.5C**
- Keep mash **1 min** at **78C**
- Sparge using **22.6 liter(s)** of **76C** water or to achieve **33.4 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilzneński 3,2-4,5 EBC	2.5 kg (46.3%)	82 %	4
Grain	Viking Pszeniczny 3,5-6,5 EBC	2.5 kg (46.3%)	85 %	5
Grain	Płatki owsiane	0.4 kg (7.4%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga 11% AA	15 g	60 min	11 %
Boil	Zula 7,3% AA	15 g	15 min	7.3 %
Aroma (end of boil)	Zula 7,3% AA	35 g	0 min	7.3 %
Dry Hop	Zula 7,3% AA	50 g	7 day(s)	7.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11.5 g	---