

American wheat

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **25**
- SRM **3.6**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.1 liter(s)**
- Total mash volume **20.2 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **15.1 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzniejszy	2.5 kg (49.5%)	80 %	4
Grain	Pszeniczny	2 kg (39.6%)	85 %	4
Grain	Carabelge	0.1 kg (2%)	80 %	30
Grain	Płatki owsiane	0.45 kg (8.9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	10 g	60 min	15 %
Aroma (end of boil)	Galaxy	10 g	25 min	15 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM50 Kłosy Kansas	Ale	Liquid	30 ml	Fermentum Mobile