

american wheat

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **27**
- SRM **4.2**
- Style **American Wheat or Rye Beer**

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 **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **40 min** at **72C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1 kg (20%)	80 %	4
Grain	Pilzneński	1 kg (20%)	81 %	4
Grain	Castle Malting - Pilzneński 6-rzędowy	0.5 kg (10%)	80 %	5
Grain	Strzegom Pszeniczny	2.5 kg (50%)	81 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	15 g	60 min	12 %
Boil	Amarillo	15 g	15 min	9.5 %
Aroma (end of boil)	Citra	35 g	0 min	12 %
Aroma (end of boil)	Amarillo	35 g	0 min	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	11.5 g	fermentis