

American Rye

- Gravity **10.1 BLG**
- ABV ---
- IBU **25**
- SRM **5.7**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **12 %**
- Size with trub loss **25.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **32.3 liter(s)**

Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.8 liter(s)**

Steps

- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **12.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **23.9 liter(s)** of **76C** water or to achieve **32.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (47.6%)	80 %	4
Grain	Żytni	2 kg (47.6%)	85 %	8
Grain	Karmelowy Czerwony	0.2 kg (4.8%)	75 %	59

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	11.4 %
Boil	Simcoe	15 g	10 min	11.4 %
Dry Hop	Simcoe	20 g	5 day(s)	11.4 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Dry	11 g	---