

American Wheat ze skórką pomarańczy

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **48**
- SRM **8**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **2.7 liter(s)**
- Total mash volume **3.6 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **2.7 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **13.4 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal - ekstrakt słodowy jasny	1.7 kg (65.4%)	87 %	26
Grain	Płatki pszeniczne	0.5 kg (19.2%)	85 %	3
Grain	Płatki owsiane	0.4 kg (15.4%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %
Boil	Amarillo	20 g	20 min	9.5 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
Flavor	skórka cytryny	15 g	Primary	14 day(s)
Flavor	skórka pomarańczy	15 g	Primary	14 day(s)