

OSPA Oktawia Sesyjne Pale Ale

- Gravity **10 BLG**
- ABV **4 %**
- IBU **25**
- SRM **4.1**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **12.6 liter(s)**

Steps

- Temp **69 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **9.8 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **69C**
- Keep mash **5 min** at **78C**
- Sparge using **12 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (71.4%)	80 %	4
Grain	Strzegom Pale Ale	0.7 kg (25%)	79 %	6
Grain	Caramel/Crystal Malt - 40L	0.1 kg (3.6%)	74 %	79

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	9 g	60 min	8.7 %
Boil	Oktawia	20 g	15 min	7.8 %
Boil	Oktawia	40 g	0 min	7.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM54 Gorączka kalifornijska	Ale	Liquid	30 ml	Fermentum Mobile