

Izabella

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **20**
- SRM **4**
- Style **American IPA**

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 **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **13.3 liter(s)**
- Total mash volume **17.1 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **2 min**

Mash step by step

- Heat up **13.3 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **2 min** at **76C**
- Sparge using **9.5 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Płatki pszeniczne	0.4 kg (10.5%)	85 %	3
Grain	Płatki owsiane	0.4 kg (10.5%)	85 %	3
Grain	Viking Pale Ale malt	3 kg (78.9%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Izabella	20 g	60 min	5.1 %
Whirlpool	Izabella	30 g	15 min	5.1 %
Dry Hop	Izabella	100 g	2 day(s)	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	15.68 g	Fermentis