

Żytnia IPA

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **28**
- SRM **9.9**
- Style **Rye IPA**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.85 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **26.9 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Żytni	1.5 kg (21.4%)	75 %	8
Grain	Viking Pale Ale malt	5 kg (71.4%)	79 %	5
Grain	Strzegom Karmel 150	0.5 kg (7.1%)	68 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	60 min	13.5 %
Boil	Cascade PL	30 g	10 min	5.2 %
Whirlpool	Cascade PL	40 g	10 min	5.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-5	Ale	Slant	50 ml	---