

Polska leśna ipa

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **48**
- SRM **8.4**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28.5 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (66.7%)	80 %	5
Grain	Viking Pilsner malt	1 kg (13.3%)	82 %	4
Grain	Karmelowy Pszeniczny Strzegom	0.5 kg (6.7%)	79 %	130
Grain	Viking Wheat Malt	1 kg (13.3%)	83 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	35 g	60 min	11 %
Boil	Izabella	15 g	30 min	5.1 %
Boil	Amarillo	15 g	60 min	9.5 %
Aroma (end of boil)	Izabella	15 g	0 min	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Us 05	Ale	Slant	250 ml	---

Extras

Type	Name	Amount	Use for	Time
Herb	Igły świerka	150 g	Boil	30 min
Herb	Igły świerka	50 g	Boil	0 min