

# Polska leśna ipa

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **36**
- SRM **7.1**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **35 liter(s)**
- Trub loss **5 %**
- Size with trub loss **36.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **42.3 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **25 liter(s)**
- Total mash volume **35 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (70%)	80 %	5
Grain	Viking Pilsner malt	1.5 kg (15%)	82 %	4
Grain	Karmelowy Pszeniczny Strzegom	0.5 kg (5%)	79 %	130
Grain	Viking Wheat Malt	1 kg (10%)	83 %	5

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	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	Dry	11 g	---

## Extras

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