

Angielska IPA 2

- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **30**
- SRM **6.7**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.2 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **0 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **15.9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **26.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	4.5 kg (84.9%)	85 %	7
Grain	Caramunich® typ I	0.2 kg (3.8%)	73 %	80
Grain	Carabelge	0.4 kg (7.5%)	80 %	30
Grain	Viking Pilsner malt	0.2 kg (3.8%)	82 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	14 g	60 min	11.2 %
Boil	Fuggles	10 g	25 min	4.5 %
Boil	Magnum	14 g	25 min	11.2 %
Aroma (end of boil)	East Kent Goldings	10 g	0 min	5 %
Aroma (end of boil)	Fuggles	10 g	0 min	4.5 %
Dry Hop	East Kent Goldings	20 g	4 day(s)	5 %
Dry Hop	Magnum	10 g	4 day(s)	11.2 %
Dry Hop	Fuggles	10 g	4 day(s)	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale