

## ipka 42

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- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **40**
- SRM **5.5**

### Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **14 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **9.9 liter(s)**
- Total mash volume **12.9 liter(s)**

### Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**

### Mash step by step

- Heat up **9.9 liter(s)** of strike water to **68.4C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Sparge using **7.1 liter(s)** of **76C** water or to achieve **14 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (83.3%)	80 %	5
Grain	Caramel/Crystal Malt - 10L	0.5 kg (16.7%)	75 %	20

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	10 g	60 min	6.7 %
Boil	Marynka	10 g	30 min	6.7 %
Boil	Lublin (Lubelski)	20 g	20 min	6 %
Aroma (end of boil)	Citra	30 g	1 min	13.7 %

### Yeasts

Name	Type	Form	Amount	Laboratory
s05	Ale	Dry	11.5 g	---