

# The Ministry of Silly Hops (English IPA)

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **71**
- SRM **5**
- Style **English IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.8 liter(s)**
- Total mash volume **26.4 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.5 kg (68.2%)	80 %	5
Grain	Pilzneński	1 kg (15.2%)	81 %	4
Grain	Żytni	0.5 kg (7.6%)	85 %	8
Grain	Karmelowy Jasny 30EBC	0.2 kg (3%)	75 %	30
Grain	Płatki owsiane	0.4 kg (6.1%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	30 g	60 min	5.1 %
Boil	Simcoe	20 g	60 min	13.2 %
Boil	Fuggles	30 g	20 min	4.5 %
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Boil	Fuggles	30 g	10 min	4.5 %
Boil	Simcoe	30 g	10 min	13.2 %
Dry Hop	Fuggles	30 g	3 day(s)	4.5 %
Dry Hop	East Kent Goldings	30 g	3 day(s)	5.1 %
Dry Hop	Simcoe	30 g	3 day(s)	13.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US-04	Ale	Dry	11.5 g	Fermentis