

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 % |
| Boil | East Kent Goldings | 30 g | 20 min | 5.1 % |
| 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 |