

English IPA#1

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **35**
- SRM **6.3**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.6 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **17.6 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.5 kg (63.6%) | 80 % | 5 |
| Grain | Viking Vienna Malt | 1.5 kg (27.3%) | 79 % | 7 |
| Grain | Viking Karmel 150 | 0.2 kg (3.6%) | 75 % | 150 |
| Grain | Viking Wheat Malt | 0.3 kg (5.5%) | 83 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------------|--------|----------|------------|
| Boil | Challenger | 30 g | 60 min | 6.1 % |
| Boil | Fuggles | 30 g | 15 min | 5.9 % |
| Boil | East Kent Goldings | 30 g | 15 min | 6.3 % |
| Aroma (end of boil) | Fuggles | 30 g | 0 min | 5.9 % |
| Dry Hop | East Kent Goldings | 50 g | 4 day(s) | 6.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|-------|--------|------------|
| us 05 | Ale | Slant | 250 ml | fermentis |

Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type | Name | Amount | Use for | Time |
|-------------|-----------------|--------|---------|--------|
| Water Agent | Gips piwowarski | 4 g | Mash | 60 min |