

Ya Bard&NaNo Brewery Cooperation

- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **63**
- SRM **6**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

Steps

- Temp **67 C**, Time **50 min**
- Temp **69 C**, Time **20 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **24 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **50 min** at **67C**
- Keep mash **20 min** at **69C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **30.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-----------------------------------|---------------|--------|-----|
| Grain | BESTMALZ - Best Pilsen | 3 kg (33.7%) | 80.5 % | 4 |
| Grain | BESTMALZ - Bestt Pale Ale (light) | 3 kg (33.7%) | 80.5 % | 6 |
| Grain | BESTMALZ - Best Wheat Malt | 2 kg (22.5%) | 82 % | 4 |
| Adjunct | Simpsons - Golden Naked Oats | 0.7 kg (7.9%) | 73 % | 20 |
| Adjunct | Wheat, Flaked | 0.2 kg (2.2%) | 77 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------------|--------|-----------|------------|
| Whirlpool | Citra | 50 g | 70 min | 12 % |
| Dry Hop | Sabro | 200 g | 12 day(s) | 15 % |
| Dry Hop | Nelson Sauvín | 150 g | 12 day(s) | 11 % |
| Aroma (end of boil) | Citra | 50 g | 50 min | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------|-------------|-------------|---------------|-------------------|
| WLP066 - London Fog | Ale | Liquid | 1000 ml | White Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|--------------------|---------------|----------------|-------------|
| Water Agent | Gypsum | 6 g | Mash | 0 min |
| Water Agent | Anzymes hoop boost | 2 g | Secondary | 12 day(s) |
| Water Agent | chlorides | 5 g | Mash | 0 min |