

Balluff New England IPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **32**
- SRM **4.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **20.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Steps

- Temp **72 C**, Time **70 min**

Mash step by step

- Heat up **20.3 liter(s)** of strike water to **82.4C**
- Add grains
- Keep mash **70 min** at **72C**
- Sparge using **23.2 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------------------|----------------|-------|-----|
| Grain | Castle malting Pale Ale | 3.5 kg (43.2%) | 80 % | 4 |
| Grain | Castle Malting - Pilszeński 2-rzędowy | 3.5 kg (43.2%) | 80 % | 4 |
| Grain | Carahell | 0.6 kg (7.4%) | 77 % | 26 |
| Grain | Płatki owsiane | 0.5 kg (6.2%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|----------|------------|
| Boil | Citra | 7 g | 40 min | 13.7 % |
| Boil | Mosaic | 7 g | 40 min | 12 % |
| Boil | Simcoe | 7 g | 40 min | 13.2 % |
| Boil | Citra | 7 g | 15 min | 13.7 % |
| Boil | Mosaic | 7 g | 15 min | 12 % |
| Boil | Simcoe | 7 g | 15 min | 13.2 % |
| Aroma (end of boil) | Citra | 7 g | 5 min | 13.7 % |
| Aroma (end of boil) | Mosaic | 7 g | 5 min | 12 % |
| Aroma (end of boil) | Simcoe | 7 g | 5 min | 13.2 % |
| Dry Hop | Citra | 50 g | 3 day(s) | 13.7 % |
| Dry Hop | Mosaic | 50 g | 3 day(s) | 12 % |

| | | | | |
|---------|--------|------|----------|--------|
| Dry Hop | Simcoe | 50 g | 3 day(s) | 13.2 % |
|---------|--------|------|----------|--------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 23 g | fermentis |