

American IPA

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **42**
- SRM **7.8**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

Steps

- Temp **52 C**, Time **15 min**
- Temp **66 C**, Time **60 min**
- Temp **77 C**, Time **15 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **77C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------|---------------|-------|-----|
| Grain | Castle Pale Ale | 6 kg (89.6%) | 80 % | 8 |
| Grain | Strzegom Wiedeński | 0.3 kg (4.5%) | 79 % | 8 |
| Grain | Pszeniczny | 0.3 kg (4.5%) | 82 % | 4 |
| Grain | Crystal II 200 | 0.1 kg (1.5%) | 71 % | 200 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|----------|--------|----------|------------|
| Boil | Citra | 30 g | 60 min | 12 % |
| Boil | Amarillo | 15 g | 15 min | 9.5 % |
| Whirlpool | Cascade | 20 g | 0 min | 7 % |
| Whirlpool | Citra | 30 g | 0 min | 12 % |
| Dry Hop | Amarillo | 10 g | 7 day(s) | 9.5 % |
| Dry Hop | Cascade | 10 g | 7 day(s) | 7 % |
| Dry Hop | Cascade | 15 g | 3 day(s) | 7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--------------------------|-----|--------|--------|-------------|
| Wyeast - American Ale II | Ale | Liquid | 125 ml | Wyeast Labs |
|--------------------------|-----|--------|--------|-------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|---------|--------|
| Fining | Mech Irlandzki | 5 g | Boil | 10 min |