

AIPA

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **79**
- SRM **10**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.65 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **67 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **75.9C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **20.5 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|---------------|-------|-----|
| Grain | Castle Pale Ale | 6 kg (88.2%) | 80 % | 8 |
| Grain | Karmelowy żytni Strzegom | 0.5 kg (7.4%) | 75 % | 150 |
| Grain | Aromatic Malt | 0.3 kg (4.4%) | 78 % | 51 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------|--------|----------|------------|
| Boil | Bravo | 44 g | 60 min | 15.5 % |
| Boil | Lemon drop | 25 g | 15 min | 4.6 % |
| Boil | Citra | 30 g | 10 min | 12 % |
| Boil | Lemon drop | 25 g | 5 min | 4.6 % |
| Boil | Citra | 30 g | 3 min | 12 % |
| Dry Hop | Lemon drop | 20 g | 7 day(s) | 4.6 % |
| Dry Hop | Citra | 20 g | 7 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 10 g | Fermentis |