

Fruit Beer Ananas i Cytryna

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **24**
- SRM **4.2**
- Style **Fruit Beer**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **34.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **29.2 liter(s)**

Steps

- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **5 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **60 min** at **63C**
- Keep mash **5 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **19.7 liter(s)** of **76C** water or to achieve **34.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------------------|---------------|--------|-----|
| Grain | Castle Malting - Pilszeński 6-rzędowy | 4 kg (54.8%) | 80 % | 5 |
| Grain | Słód pszeniczny Bestmalz | 1 kg (13.7%) | 82 % | 5 |
| Grain | Weyermann - Carapils | 0.5 kg (6.8%) | 78 % | 4 |
| Grain | Płatki owsiane | 0.4 kg (5.5%) | 85 % | 3 |
| Grain | Viking Pale Ale malt | 1 kg (13.7%) | 80 % | 5 |
| Grain | Rye, Flaked | 0.4 kg (5.5%) | 78.3 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Cascade | 20 g | 60 min | 6 % |
| Boil | Citra | 15 g | 60 min | 12 % |
| Dry Hop | Citra | 30 g | 3 day(s) | 12 % |
| Dry Hop | Columbus/Tomahawk/Zeus | 30 g | 3 day(s) | 15.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------|-------------|-------------|---------------|-------------------|
| FM13 Irlandzkie Ciemności | Ale | Slant | 1000 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|---------------|---------------|----------------|-------------|
| Flavor | Limonka | 500 g | Secondary | 6 day(s) |
| Flavor | Pulpa ananas | 1000 g | Secondary | 6 day(s) |
| Flavor | Sok z ananasa | 3000 g | Secondary | 6 day(s) |