

PiñaColada - BIAB

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **69**
- SRM **39**
- Style **Black IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **19.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **5.4 liter(s) / kg**
- Mash size **21.9 liter(s)**
- Total mash volume **25.9 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21.9 liter(s)** of strike water to **68.1C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **1.5 liter(s)** of **76C** water or to achieve **19.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|-------|------|
| Grain | Pilzneński | 2 kg (44.9%) | 81 % | 4 |
| Grain | Viking Pale Ale malt | 1 kg (22.5%) | 80 % | 5 |
| Grain | Pszeniczny | 0.5 kg (11.2%) | 85 % | 4 |
| Grain | Extra black | 0.3 kg (6.7%) | 65 % | 1400 |
| Grain | Czekoladowy | 0.25 kg (5.6%) | 60 % | 788 |
| Sugar | Brown Sugar, Light | 0.4 kg (9%) | 100 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------|--------|----------|------------|
| Boil | PIH Blend | 20 g | 60 min | 15 % |
| Boil | Denali | 10 g | 30 min | 10 % |
| Aroma (end of boil) | Sabro | 10 g | 10 min | 15 % |
| Aroma (end of boil) | Hallertau Blanc | 20 g | 10 min | 11 % |
| Aroma (end of boil) | Denali | 10 g | 5 min | 10 % |
| Dry Hop | Denali | 20 g | 3 day(s) | 10 % |
| Dry Hop | Hallertau Blanc | 20 g | 3 day(s) | 11 % |
| Dry Hop | Sabro | 20 g | 3 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|--------|--------|------------------|
| FM54 Gorączka kalifornijska | Ale | Liquid | 50 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|-------|--------|--------|-----------|----------|
| Other | Ananas | 3000 g | Secondary | 5 day(s) |