

Hazy Pomegranate & Mango IPA

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **70**
- SRM **5.1**
- Style **Imperial IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **50 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **14.8 liter(s)**
- Total mash volume **20.6 liter(s)**

Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **14.8 liter(s)** of strike water to **70.4C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **10.1 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt | 3 kg (50.8%) | 82 % | 4 |
| Grain | Weyermann - Pale Wheat Malt | 1.5 kg (25.4%) | 85 % | 5 |
| Grain | Płatki pszeniczne | 0.7 kg (11.9%) | 60 % | 3 |
| Grain | Płatki owsiane | 0.5 kg (8.5%) | 60 % | 3 |
| Grain | Płatki żytnie | 0.2 kg (3.4%) | 80 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------------|--------|----------|------------|
| Boil | Pacific Jade | 15 g | 60 min | 13 % |
| Boil | Warrior | 11 g | 60 min | 16 % |
| Boil | Centennial | 15 g | 30 min | 10 % |
| Aroma (end of boil) | Cascade | 15 g | 0 min | 5.5 % |
| Aroma (end of boil) | Centennial | 10 g | 0 min | 10 % |
| Aroma (end of boil) | Pacific Jade | 10 g | 0 min | 13 % |
| Dry Hop | Mosaic | 25 g | 2 day(s) | 12.5 % |
| Dry Hop | Cascade | 10 g | 2 day(s) | 5.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 75 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|--------|-----------|----------|
| Flavor | Sok z granatu | 1750 g | Secondary | 4 day(s) |
| Flavor | Owoc granatu | 200 g | Secondary | 4 day(s) |
| Flavor | Mango | 450 g | Secondary | 4 day(s) |
| Flavor | suszona aronia | 50 g | Secondary | 1 day(s) |

Notes

- Błąd przy zacieraniu, blg za niskie.
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