

Mango IPA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **27**
- SRM **4.5**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **20.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **16.3 liter(s)**
- Total mash volume **21 liter(s)**

Steps

- Temp **66 C**, Time **60 min**

Mash step by step

- Heat up **16.3 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **9.1 liter(s)** of **76C** water or to achieve **20.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|-----------------|-------|-----|
| Grain | Viking Pale Ale malt | 3.38 kg (72.5%) | 80 % | 5 |
| Grain | Płatki owsiane | 0.45 kg (9.7%) | 60 % | 3 |
| Grain | Płatki pszeniczne | 0.45 kg (9.7%) | 60 % | 3 |
| Grain | Viking Wheat Malt | 0.38 kg (8.2%) | 83 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|--------|--------|----------|------------|
| Boil | Simcoe | 10 g | 30 min | 13.2 % |
| Whirlpool | Simcoe | 40 g | 10 min | 13.2 % |
| Dry Hop | Citra | 22.5 g | 3 day(s) | 12 % |
| Dry Hop | Mosaic | 50 g | 4 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|-------|------|--------|------------|
| Safale S-04 | Wheat | Dry | 8.25 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-------------|--------|-----------|----------|
| Flavor | laktoza | 200 g | Boil | 10 min |
| Flavor | puree mango | 850 g | Secondary | 3 day(s) |

| | | | | |
|--------|--------------------|-------|------|--------|
| Fining | tabletki klarujące | 0.5 g | Boil | 10 min |
|--------|--------------------|-------|------|--------|

Notes

- Koszta:
Pale Ale- 15,70zł
Pszeniczny- 4,50zł
Płatki owsiane- 2,70zł
Płatki pszeniczne- 2,90zł
Simcoe- 11,00zł
Mosaic- 10,00zł
Citra- 8,00zł
Safale S-04- 11zł
Laktoza- 7,80zł
Puree mango-10zł
suma: 83,60zł
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