

Mango IPA

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **58**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **26.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **65 C**, Time **20 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **3 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **20 min** at **65C**
- Keep mash **30 min** at **72C**
- Keep mash **3 min** at **78C**
- Sparge using **13.8 liter(s)** of **76C** water or to achieve **26.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Viking Pale Ale malt | 4.5 kg (69.2%) | 80 % | 5 |
| Grain | Karmelowy Jasny 30EBC | 0.5 kg (7.7%) | 75 % | 30 |
| Grain | Pszeniczny | 1 kg (15.4%) | 85 % | 4 |
| Grain | Płatki owsiane | 0.5 kg (7.7%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------------|--------|-----------|------------|
| Boil | Lublin (Lubelski) | 50 g | 40 min | 4 % |
| Boil | Marynka | 50 g | 30 min | 10 % |
| Aroma (end of boil) | Lemon drop | 50 g | 5 min | 4.6 % |
| Dry Hop | Lemon drop | 50 g | 10 day(s) | 4.6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
| US05 | Ale | Dry | 11.5 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------------|--------|-----------|-----------|
| Flavor | puree z mango | 1000 g | Secondary | 10 day(s) |

Notes

- fermentacja:
 - pierwsze 10 dni 17C
 - dodane chmiele i mango 10 dnia
 - kolejne 3 dni w 17C
 - 7 do 14 dni w 21C aż przestanie "bulgać"*Mar 11, 2023, 11:57 AM*