

Milkshake IPA z mango ~16*Blg (HB)

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **3**
- SRM **4.1**
- 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 **60 min**
- Evaporation rate **20 %/h**
- Boil size **28.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.85 liter(s) / kg**
- Mash size **16 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **67 C**, Time **40 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **16 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **40 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 4 kg (65.6%) | 80 % | 5 |
| Grain | Płatki pszeniczne | 0.8 kg (13.1%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.8 kg (13.1%) | 85 % | 3 |
| Sugar | Milk Sugar (Lactose) | 0.5 kg (8.2%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|----------|------------|
| Boil | Mosaic | 10 g | 10 min | 10 % |
| Aroma (end of boil) | Equinox | 50 g | 0 min | 13.1 % |
| Dry Hop | Mosaic | 50 g | 4 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|-------|--------|-------------------|
| Kveik | Ale | Slant | 700 ml | Własną propagacją |

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|--------|---------------|--------|---------|-----------|
| Flavor | Laktoza | 500 g | Boil | 10 min |
| Flavor | Puree z mango | 1000 g | Primary | 10 day(s) |

Notes

- Planowany podział warki na 2 równe części i fermentacja 2 różnymi kveikami.

Puree z mango ma być dodane tylko raz. W tym przepisie występuje 2 razy, ale to jedynie ze względu na obliczenia.

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